```
Search completed: June 3, 2005, 14:42:06
Job time : 212 secs
                                                                                                                                                                                                                                                                                                                                                                                   CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                          CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                     DOMAIN
                                                                                                                                                                                                                                               SIGNAL
                                                                                                                                                                                                                                                                                      PROPEP
                                                                                                                                                                                                                                                             CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LIPID
 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ਨੇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Usage by and for commercial
                                                                                                                                                                                                                                               69 LINRSTILYAGNDKWSIDPRVIILVNTPTQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                 LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                      68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.

TISSUE-Occipital cortex;

MEDLINE=95237612; PubMed=7721093; DOI=10.1016/0378-1119(94)00830-L;

Shark K.B., Lee N.M.;

"Cloning, sequencing and localization to chromosome 11 of a cDNA encoding a human opioid-binding cell adhesion molecule (OBCAM).";

Gene 155:213-217(195).

-! FUNCTION: Binds opioids in the presence of acidic lipids; probably involved in cell contact.

-: SUBCELLUIAR LOCATION: Attached to the membrane by a GPI-anchor (By
                                                                                                                                                                                          HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                     189 QGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV
                                                                                                                                                                                                                                                                                                                                                         189 SDIKRDQSGEYECSALNDVAAPDVRKVKITVNYPPYISKAKNTGVSVGQKGILSCEASAV
                                                                                                                                                                                                                                                                                                                                                                                                             12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                               PSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASI
                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \label{eq:similarity} \textbf{similarity}. \\ \textbf{1-SIMILARITY}: \ \texttt{Belongs to the immunoglobulin superfamily}. \ \texttt{IgLON}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
Opioid binding protein/cell adhesion molecule precursor (OBCAM)
(Opioid-binding cell adhesion molecule) (OPCML).
Name=OPCML) Synonyms=OBCAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                 3;
                                                                                                                         DB 2; Length 344;
                                                                                                             Pfam; PF00047; ig; 3.
SWART; SW00409; IG; 3.
SWART; SW00409; IGC; 3.
PROSITE; PS50835; IG LIKE; 3.
SEQUENCE 344 AA; 37868 MW; 15BFE574797B15F3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    MLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     309 TLYGPGAVIDGVNSASRALACLWLSGTLLAHFFIKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   345 AA.
            InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                      Query Match
Best Local Similarity 71.11
Matches 239; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPCM HUMAN
Q14982;
                                                                                                                                                                                                                                 69
셤
                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                원
                                                                                                                                                                                                                                                                                                                                                                                              ò
```

```
entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HLIVOVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VPSABFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNAS 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   249 VPMAEFQWFKEETRLATGLDGMRIENKGRMSTLTFFNVSEKDYGNYTCVATNKLGNTNAS 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 LPWKCLVVVSLRLLELVPTGVPVRSGDATFFRAMDNVTVRQGESATLRCTIDDRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                           Removed in mature form (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
Potential.
Potential.
                                                                                                                                                                                                                                                                                                                                                                        Opioid binding protein/cell adhesion molecule.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-linked (GlCNAc. . .) (Potential).
GPI-anchor amidated asparagine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 345;
                                                                                                                  R MIM; 600632; --
R GO; GO:0005887; C:integral to plasma membrane; TAS.
GO; GO:0004985; F:opioid receptor activity; TAS.
R GO; GO:0007155; P:cell adhesion; TAS.
R GO; GO:0008038; P:neuronal cell recognition; TAS.
R InterPro; IPR007110; Ig-like.
R InterPro; IPR00710; Ig-like.
R InterPro; IPR005989; Ig-C2.
R SMART; SM00408; IG-Z; 2.
R PROSITE; PS50835; IG_LIKE; 3.
R Cell adhesion; Glycoprotein; GPI-anchor; Immunoglobulin dom:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         56, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E7AD17BEA1AA3FF4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.2%; Score 1268; DB 1; 71.2%; Pred. No. 9.5e-93;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           37; Mismatches
                  or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (Potentia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             38007 MW;
                                                       EMBL; L34774; AAA36387.1;
PIR; JC4025; JC4025.
Genew; HGNC:8143; OPCML.
MIM; 600632; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 240; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             345 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                               323
39
136
223
57
157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOMAIN
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
```

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q6B0I4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06B014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q6B014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACCOCCOSSION TO THE SECOND THE SE
                                                                                                                                    ద
                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                       ò
                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                  7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SAVPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTN 305
                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12 ISWAIFTGLAALCLF-----QCVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTR
                                                                                                                                                                                                                                                                                                                                                                                          VAWINRSTILYAGNDKWCLDPRVVILSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SRVHLIVQVPPRIVDISSNIAVNEGSNVSLICIATGRPEPVVWWRYLSPKARGFVSEDEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LEIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=20499204; PubMed=11042360; DOI=10.1016/S0169-328X(00)00184-4; Lodge A.P., Howard M.R., McNamee C.J., Moss D.J.; Lodge A.P., Howard M.R., McNamee C.J., Moss D.J.; Co-localisation, heterophilic interactions and regulated expression of IgLoh family proteins in the chick nervous system."; Brain Res. Mol. Brain Res. 82:84-94(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                               6
                                                                                                                                                                                                                                                                                       DB 2; Length 345;
                Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

REMBL; BCC74283; AAH74283.1; -.

InterPro; IPR003599; Ig.

InterPro; IPR003598; Ig.

InterPro; IPR003598; Ig.

InterPro; IPR003598; Ig.

Refam; Pr00047; ig; 3.

SMART; SM00409; IG; 3.

SMART; SM00406; IG; 3.

SMART; SMO406; IG; 3.

SROSITE; PS50393; IG LIKE; 3.

SEQUENCE 345 AA; 38166 MW; C2BEE4F5A2EEC4A6 CRC64;
                                                                                                                                                                                                                                                                                                                             44; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMART; SW00408; "GC2; 2.
PROSITE; PS50835; IG LIKE; 3.
SEQUENCE 344 AA; 37530 MW; 37FE6051CBF0E7B4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ASIMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                   70.7%; Score 1276.5; DE 71.7%; Pred. No. 2e-93; ive 43; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HSSP; P13596; 1QZ1.
InterPro; IPR007110; Ig-like.
InterPro; IPR003593; Ig_c2.
Pfan; PF00047; ig; 3.
SMART; SM00408; IGG2; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (TrEMBLrel. 16, (TrEMBLrel. 16,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (TrEMBLrel. 25,
                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 71.7'
Matches 243; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
Gerhard D.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gallus gallus (Chicken)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-OCT-2003 (TrEMBLre)
OBCAM alpha 1 isoform.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Name=OBCAM;
Klein S., (
Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                     99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gallus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q9DF61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
Q9DF61
  QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
```

```
A MEDLINE=22388257; Pubbed=12477832; DOI=10.1073/pnas.242603899;
A Klausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Klausher R.D., Collins F.S., Wagner L., Shemen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B. Buerow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B. Buerow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B. Buerow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B. Buerow K.H., Schaefer C.F., Bhat N.K.,
A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Raba S.S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley W., Sodergren E.J., Lu X., Gibbs R.A.,
A Rhey J., Helton B., Ketreman M., Maddan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Brinking M. M. I., Skalska U., Smailus D.E., Schmerch A., Schein J.E.,
Jones S.J., Marra M.A.,
T "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                            69 LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                                                                                                                                                                       188
                                                                                                                                                                                                                                                                                                                                                                                                                                                 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         68
                                                                                                                                                                                              68
                                                                                                                                                                                                                                                                                               69 LINSTILYAGNDKWSIDNRVVILSNTKTQYSIKIHNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           189 TGITREQSGEYECSAVNDVAVPDVRKVKVTVNYPPYISNAKNTGASVGQKGILQCEASAV
                                                                                                                                                                    HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                                                                                                                                       PSAEFQWYKDDKRL1EGKKGVKVENRPFLSKL1FFNVSEHDYGNYTCVASNKLGHTNAS1
                                                                                                                                    12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                   7;
      Length 344;
                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Fetal Brain;
Director MGC Project;
Submitted (UM-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC074742; AAH74742.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Last sequence update)
Last annotation update)
            DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                       53;
70.6%; Score 12.5...,
72.8%; Pred. No. 2.4e-93;
rive 32; Mismatches 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             309 MLFGPGAVSEVSNGTSRRAG -- CVWLLPLLVLHLLLKF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Opioid-binding cell adhesion molecule,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28,
                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Fetal Brain;
                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                          Best Local Simi
Matches 246;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=OPCML
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              189
                                                                                                                                                                                                                                                                                                                                                                                       129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           309
```

```
MEDINE-2238257; Pubmed=12477932; DOI=10.1073/pnas.242603899;
X Strausberg K.D., Feingold E.A., Grouse L.H., Derge J.G.,
X Atausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
X Atausner R.D., Collins F.S., Wanger L., Shenmen C.M., Schuler G.D.,
X Atschul S.F., Zeoberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Diatchenko L., Marusina R., Farmer A.A., Rubin G.M., Hong L.,
A Brownstein M.J., Usddin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.M., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Yillalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
Rhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Allakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Blakesley R.W., Touchman J.W., Schmutz J., Myers R.M., Butterfield Y.S.,
Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
Jones S.J., Marra M.A.;
                                                                                                                                                                                                                                                                                                                                                  AVPSAEFQWYXDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNA 306
  MYHPAYWVVFSATTALLFIPGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDDRVTRVA 60
                                             EISDIKRDQSGEYECSALNDVAAPDVKVKITVNYPPYISKAKNTGVSVGQKGILSCEAS
                                                                                                                                        VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYL
                                                                                                                                                                                                                               EIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae; Xenopodinae; Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                 SIMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Xenopus laevis (African clawed frog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dev. Dyn. 225:384-391(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
TISSUE=Eye;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MGC84065 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=MGC84065;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          initiative.
                                                                                                                                                                                                                                                                                                                     247
                                                                                                                                      128
                                                                                                                                                                                                                               187
                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q6GM08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OCCM08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
Q6GM08
                                        Š
                                                                                 임
                                                                                                                                 ò
                                                                                                                                                                          a
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                 δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HERER REPORTED THE PROPERTY OF THE PROPERTY OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ļ,
                                                                                                                                                                                                                                                     3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 WLNRSTILYAGNDKWSIDNRVVILSNTKTQYSIKIHNVDVYDEGPYTCSVQTDNHPKTSR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             240
                                                                                                                                                                                                                                                                                                                                                                                           WLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                                                                          67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 ITGITREQSGEYECSAVNDVAVPDVRKVKVTVNYPPYISNAKNTGASVGQKGILOCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8 MHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVA
                                                                                                                                                                                                                                                                                                  8 MHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps.
                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Human amygdala;
Wambutt R., Heubner D., Mewes H.W., Weil B., Amid C., Osanger A.,
Fobo G., Han M., Wiemann S.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; BX537377; CAD97619.1; --
HSSP; Q9UQH9; 1111.
                                                            N-linked (GicNac. . .) (Potential)
N-linked (GlcNac. . .) (Potential)
N-linked (GlcNac. . .) (Potential)
N-linked (GlcNac. . .) (Potential)
, BAE717551856651E CRC64;
                                                                                                                                                                                                                                                         4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 71.7%; Score 1295.5; DB 2; Length 338; Best Local Similarity 71.6%; Pred. No. 6e-95; Matches 242; Conservative 38; Mismatches 57; Indels 1;
                                                                                                                                                                                                    Query Match 72.3%; Score 1305; DB 1; Length 337; Best Local Similarity 73.2%; Pred. No. 1e-95; Matches 248; Conservative 34; Mismatches 53; Indels 4
                        amidated asparagine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Butele
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37267 MW; EDD86EE2C57B09E3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IMLFGPGAVSEVSNGTSRRAG--CVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein DKFZp686H1949.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  338 AA
Potential.
GPI-anchor
                                             (Potential)
                                                                                                                                                            36887 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pfam; PP00047; ig; 2.
SMART; SM00408; IGC2; 2.
PROSITE; PS50835; IG_LIKE; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                133
277
285
298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            al protein.
338 AA; 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
..
                                                                                                         285
298
337 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=DKFZp686H1949;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hypothetical
SEQUENCE 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   308
                                                                                           CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                           68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    128
DISULFID
                                                                                                                               CARBOHYD
                                                                                                                                                            SEQUENCE
                                                                   CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Z3W6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0723W6
                   LIPID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 11
Q7Z3W6
FT FT FT S
                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
```

```
248 VPSAEFQWYKDDKRLLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNAS
                                                                                                                                                                                                                                                                                                                                                                                                                 Name=OPCML;
                                                                                                                                                                                                                                                    CHICK
                                                                                                                                                                                                                                                                       098892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gallus
                                                                                                                                                                                                                            OPCM_CHICK
                                                                                                                                                                                                          RESULT 10
                                                                                                                                                                                                                                                                         g
                                                                                                                                   셤
                                                                                           à
                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.

STRAIN=C57BL/6; TISSUB=Brain;

STRAIN=C57BL/6; TISSUB=Brain;

MEDLINB=2238825; PubMed=1247932; DOI=10.1073/pnas.242603899;

MEDLINB=2238825; PubMed=1247932; DOI=10.1073/pnas.242603899;

MISCAUL S. P., Feingold E.A., Grouse L.H., Derge J.G.,

Altschul S.P., Zebeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.L., Mang J., Haish F.,

Altschul S.P., Zebeberg B., Bonetow K.S.L., Mang J., Haish F.,

Astapleron M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J. Usdin T.B., Torchivuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.M., Glabs R.A.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gabs R.A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Boulfard G.G.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Boulfard G.G.,

Miscaley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,

"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 WINNSTILYAGNDKWSIDPRVIILVNTPTQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8 MHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATIRCTIDNRVTRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WINRSTILYAGNDKWCLDPRVVILSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, .
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             72.3%; Score 1306; DB 2; Length 337; 72.1%; Pred. No. 8.6e-96; ive 35; Mismatches 59; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
STRAIN-C57BL/6; TISSUE=Brain;
Director MGC Project;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC0765B1, AAH765B1,1;
InterPro; IPR003599; IG.
InterPro; IPR003199; IG.
InterPro; IPR003598; IG-11ke.
InterPro; IPR003598; IG-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 procein.
337 AA; 37156 MW; 2A279D982E60F4AB CRC64;
                                                                                  25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein 3732419F12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                               337 AA
                                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF00047; ig; 3.
SMART; SM00409; IG; 3.
SMART; SM00408; IGc2; 3.
PROSITE; PS50835; IG_LIKE; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                               PRELIMINARY;
                                                                                                                                                                                                          Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                         NCBI_TaxID=10090;
                                                                                                                                                                                Name=3732419F12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical
SEQUENCE 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Simines 243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                  OGDEY2

OGDEY2

DT 25-0CT-
DE 15-0CT-
DE 17-0CT-
DE 17-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loca
Matches
  RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
R InterPro; Armovidadia Sequencing; Glycoprotein; GPI-anchor; RW PROSITE; PS5035; IG LIKE; 3.

RROSITE; PS5035; IG LIKE; 3.

RM Cell adhesion; Direct protein sequencing; Glycoprotein; GPI-anchor; KW Immunoglobulin domain; Lipoprotein; Membrane; Repeat; Signal.

FT SIGNAL 21 314 Opicid binding protein/cell adhesion molecule homolog.

FT CHAIN 32 119 Removed in mature form (Potential).

FT DOMAIN 129 211 Ig-like C2-type 1.

FT DOMAIN 215 302 Ig-like C2-type 3.

FT DOMAIN 215 302 Ig-like C2-type 3.

FT DOMAIN 215 302 POTENTIAL C2-type 3.

FT DISULFID 50 109 Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lodge A.P., Kim D.-S., Howard M.R., McNamee C.J., Smith N., Moss D.J., "Cloning of Epples, a secreted isoform of CEPU-1, and OBCAM cDNAs from chick: structural diversity of IgLON family proteins."; submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1997 (Rel. 35, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
30-JUL-2004 (Rel. 44, Last annotation update)
Opicid binding protein/cell adhesion molecule homolog precursor (Neurite inhibitor GP55-A) (OBCAM protein gamma isoform).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            family.
-!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                  301 ITLYGPGAVIDGVNSASRALACLWLSGTFFAHFFIKF 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE OF 64-337 FROM N.A., AND PARTIAL SEQUENCE.
                                                                                          308 IMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                      337 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR007110; Ig-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; Y08170; CAB41420.1; -. HSSP; P78310; 1F5W.
                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE=Brain;
```

247

307

8 8 8 B

셤 ò 8 ઠે g ઠે g ò g ò a

```
VPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNAS 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             68 WINRSSILYAGNDKWCLDPRVVLLANTKTQYSIQIHDVDVYDEGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SERIAL STATEMENT STATEMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 SISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gallus gallus (Chicken).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2; Length 315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 75.2%; Score 1357.5; DB 2; Length
83.0%; Pred. No. 6.2e-100;
.ive 26; Mismatches 23; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lodge A.P., McNamee C.J., Howard M.R., Reed J.E., Moss D Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
EMBL, AF292336, AAG01879.1; -.
HNSPP, QUQH9; LDVS.
INTERPYO, IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
Ffam; PR00047; Ig; 2.
SWART; SM004008; IG_22, 2.
PROSITE, PS0835; IG_LIKE; 3.
SROUNCE 315 AA; 34606 MW; 68C5D27F0DDC6FB2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                             IMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (TrEMBLrel. 16, C
(TrEMBLrel. 16, I
(TrEMBLrel. 25, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 253; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2001 (TrEMBLrel. )
01-OCT-2003 (TrEMBLrel. ;
CEPU-Se alpha 1 isoform.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IMLFG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MILYG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=CEPU-Se;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Brain,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q9DGIS P
Q9DGIS;
01-MAR-2001 (
                                                                                                                                                                                       248
                                                                                                                                                                                                                                                                                                308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                128
                              128
                                                                                   188
                                                                                                                                                                                                                                                                                                                                                     308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gallus
                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q9DGI5
                              g
                                                                        ò
                                                                                                                            ద
                                                                                                                                                                              ò
                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                     RVAWLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPK 124
                                                                                                                                                                                                                                                                                                                                                                                 63 RVAMLNRSSILYAGNDKWCLDPRVVLLANTKTQYSIQIHDVDVYDEGPYTCSVQTDNHPK 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDE 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             185 YLEIQGITREQSGDYECSASNDVAAPVVRVKVTVNYPPYISEAKGTGVPVGQKGTLQCE 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            245 ASAVPSAEFOWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  68 WINRSTILYAGNDKWCLDPRVVLLSNTQTQYQYSIBIQNVDYYDBGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   68 WINNSSILYAGNDKWCLDPRVVLLANTKYYSIQIHDVDVYDEGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              128 VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                    67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 ALPWRCLVVLCLRLLFLVPAGVPVRSGDATFPKAMDNVTVRQGESATLRCSVDNRVTRVA 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     243 ASAVPSADFQMYKDDKRLAEGQKGLKVENKAFFSRLTFFNVSEQDYGNYTCVASNQLGNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 183 YLEITGITREQSGEYECSASNDVAAPVVQRVKVTVNYPPYISDAKSTGVPVGQKGILMCE
                                                                                                                                                                                                                                           5 OPKAHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 SISWAIFTGLAALCLF---OGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVA
                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kimura Y., Shirabe K., Fukushima M., Takeshita M., Tanaka H.; Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AB011810; BAA31514.1; -.
EMBL; AB011810; BAA31514.1; -.
InterPro; IPR07110; Ig-like.
InterPro; IPR003598; Ig-2.
Fram; PF00047; Ig; 2.
PROSITE; PS06835; IG LIKE; 3.
SEQUENCE 344 AA; 37613 MW; 22CAA8F526A6B57E CRC64;
                                                                                                                                       Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 79.0%; Score 1427.5; DB 2; Length Best Local Similarity 79.2%; Pred. No. 1.8e-105; Matches 267; Conservative 31; Mismatches 36; Indels
                                                                                                                                                                                       Indels
  Pfam; PF00047; ig; 2.
SMART; SM00408; IGc2; 2.
PROSTIE; PS5083; IG LIKE; 3.
SEQUENCE 313 AA; 34482 MW; 99AD825CAE4A5347 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Last sequence update)
Last annotation update)
                                                                                                                                  Query Match 79.1%; Score 1428; DB 2; I
Best Local Similarity 85.4%; Pred. No. 1.5e-105;
Matches 263; Conservative 27; Mismatches 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-NOV-1998 (TrEMBLrel. 08, 01-NOV-1998 (TrEMBLrel. 08, 01-OCT-2003 (TrEMBLrel. 25, CEPU-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gallus gallus (Chicken)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 303 NASMILYG 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NASIMLFG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gallus.
NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            125
                                                                                                                                                                                                                                                                                                                                                     65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                305
```

SOR DRANGE AND SOR DRANGE SOR DRA

ઠે g ઠે 유 ò

187 247 247

```
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             305
                                                                                                                                                                                                                                                                                                                                                           65
                                                                                                                                                                                                                                                                                                                                                                                                      63
                                                                                        VARSPLIC
                                                                                                                                     SEQUENCE
                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                057596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gallus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            057596
    FIFFE
                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DDT REPRESENTED BY SERVICE OF SER
                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This SWISS-FROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Agartumnin F., Biruemmengolobulin superfamily molecule, is expressed by a gratumnin F., Biruemmengolobulin superfamily molecule, is expressed by a developing cerebellar Purkinje cells.";

J. Neurosci. 16:1770-1779(1996).

J. Neurosci. 16:1770-1779(1996).

Eventation of the may represent a receptor or a subunit of a receptor complex.

L. SUBCELLULAR LOCATION: Attached to the membrane by a GPI-anchor.

EVENTE-Alternative splicing; Named isoforms=2;

Name=1: Synonyms=Malor;

Isold=090773-1; Sequence=Displayed;

Name=2: Synonyms=Malor;

Isold=090773-2; Sequence=VSP 002607;

Isold=090773-2; Sequence=VSP 002607;

C.I. TISSUE SPECIFICITY: Found on the dendrites, somata and axons of developing Purkinje cells. Undetectable on other neurons like

C.I. DEVELOPMENTAL STAGE: Expressed by developing cerebellar Purkinje cells.

C.I. DEVELOPMENTAL STAGE: Expressed by developing cerebellar Purkinje cells.

C.I. SEXPESSED CON (from E1S. Until E22.). Expressed in the adult.

C.I. STMILARITY: Belongs to the immunoglobulin superfamily. IgLON
                                                                                                                                                                                                                   CEPU-1 protein precursor.
Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R InterPro; ILENULLS.

R Pfam; PF00047; ig; 3.

R SMART; SM00408; IGG2; 2.

R SMART; SM00408; IGG2; 2.

R Alternative splicing; Cell adhesion; Glycoprotein; GPI-anchor;

KW Alternative splicing; Cell adhesion; Repeat; Signal.

F SIGNAL 128 Potential.

FT CHAIN 29 330 Removed in mature form (Potential).

FT DOMAIN 37 124 Ig-like C2-type 1.

FT DOMAIN 134 216 Ig-like C2-type 2.

FT MANAIN 134 216 Ig-like C2-type 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (Potential). (Potential). (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Potential.
N-linked (GlcNAc. . .)
N-linked (GlcNAc. . .)
N-linked (GlcNAc. . .)
MLFGPGAVSEVNNGTSRRAGCIWLLPLLVLHLLLKF 344
                                                                                                                                                     01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
                                                                                                                 Z
                                                                                                                 353
                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. (ISOFORMS 1 AND 2), TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=96370549; PubMed=8774445;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Spaltmann F., Bruemmendorf T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; Z72497; CAA96578.1; -.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                               STANDARD;
                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29
331
372
220
220
155
241
68
150
                                                                                                               CHICK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DISULFID
                                                                    T 5
CHICK
CEPU 0
  셤
```

```
RVAMINRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPK 124
                                                                                                                                                                                                                                                                                                                                                                                                                                            RVAMLNRSSILYAGNDKWCLDPRVVLLANTKTQYSIQIHDVDVYDEGPYTCSVQTDNHPK 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   125 TSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDE 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        245 ASAVPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  243 ASAVPSADFQWYKDDKRLAEGQKGLKVENKAFPSRLTFFNVSEQDYGNYTCVASNQLGNT 302
                                                                                                                                                                                                                                                                                                              64
                                                                                                                                                                                                                                                                                                                                                             62
                                                                                                                                                                                                                                                                                                                                        3 QAKMQHPVSWVIFAGMAALLLFPGGVPVRSGDATFPKAMDNVTVRQGESATLRCSVDNRVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             183 YLEITGITREQSGEYECSASNDVAAPVVQRVKVTVNYPPYISDAKSTGVPVGQKGILMCE
                                                                                                                                                                                                                                                                                                              5 QPKMHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    185 YLEIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryoča, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                              Gaps
N-linked (GlCNAC. ..) (Potential).
N-linked (GlCNAC. ..) (Potential).
N-linked (GlCNAC. ..) (Potential).
GPI-anchor amidated serine (Potential).
Missing (in lsoform 2).
FrIda-VSP 002607.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=99347334; PubMed=10420985; Kim D.S., Rhew T.H., Moss D.J., Kim J.Y.; Kim D.S., Rhew T.H., Moss D.J., Kim J.Y.; "cDhA cloning of the CEPUS, a secreted type of neural glycoprotein belonging to the immunoglobulin-like opioid binding cell adhesion molecule (OBCAM) subfamily."; MOI. Cells 9:270-276(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NASIMLF------GPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                            11;
                                                                                                                                                                                                            DB 1; Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |||::|:
303 NASMILYEETTTALTPWKGPGAVHDGNSGAWRRGSCAWLLALPLAQLARQF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-JUN-1998 (TrEMBLrel. 06, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Neural secreted glycoprotein (CEPU-Se alpha 2 isoform)
Name=CEPU; Synonyms=CEPU-Se;
Gallus gallus (Chicken)
                                                                                                                                                                                                          Score 1477.5; DE
Pred. No. 2e-109;
                                                                                                                                                                                                                                                         32; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      313 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JUN-1998 (TrEMBLrel. 06, Created)
                                                                                                                                                          353 AA; 38736 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HSSP, O9UQH9, 1DJS.
InterPro, IPR007110; Ig-like.
InterPro, IPR003598; Ig_c2.
                                                                                                                                                                                                            81.8%;
                                                                                                                                                                                                                                    78.68;
                                                                                                                                                                                                                                                         Matches 276; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
       282
290
330
320
                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9031;
```

```
1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LINRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 LPWKCLVVVSLRLLFLVPTGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PSAEFQWYKDDKRL1EGKKGVKVENRPFLSKL1FFNVSEHDYGNYTCVASNKLGHTNAS1
                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A., AND SEQUENCE OF 217-229.
STRAIN=Sprague-Dawley;
MEDLINE=95198094; PubMed=7891157;
Straiv A.F., Canoll P.D., Wolfgang M.J., Rosen C.L., D'Eustachio P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Salzer J.L.;

Cloning of neurotrimin defines a new subfamily of differentially expressed neural cell adhesion molecules.";

J. Neurosci. 15:2141-2156(1995).

J. Neurosci. 15:2141-2156(1995).

J. Neurosci. 15:2141-2156(1995).

J. SUBCELLULAR LOCATION: Attached to the membrane by a GPI-anchor.

ISSUE SPECIFICITY: Central nervous system.
                                         (Potential).
(Potential).
(Potential).
(Potential).
(Potential).
(Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                ٠,
ک
                                                                                                                                                                                                                                                                                                                                                                                                      DB /1; Length 344;
                                                                                                                                                                                          asparagine
                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                           L -> P (in Ref. 1).
S -> G (in Ref. 1).
T -> I (in Ref. 1).
E -> Q (in Ref. 1).
E -> P (in Ref. 1).
I -> P (in Ref. 1).
C885BBA52C148554 CRC64;
                 Potential.
N-linked (GLONAc...) (C. N-linked (GLONAc...) (G. N-linked (
                                                                                                                                                                                                                                                                                                                                                                                                 Score 1647.5; DB /1;
Pred. No. 5.3e-123;
8; Mismatches 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MLFGPGAVSEVNNGTSRRAGCIWLLPLLVLHLLLKF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Neurotrimin precursor (GP65).
                                                                                                                                                                                                           (Potential)
                                                                                                                                                                                                                                    ы о н ы к н
                                                                                                                                                                                                                                                                                                                                                            37984 MW;
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 93.5%;
Matches 314; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rattus norvegicus (Rat).
                                                                                                                                                                                                                               75
92
119
187
213
225
  201
295
44
70
70
2084
305
321
                                                                                                                                                                                                                                                                                                              213
225
344 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=10116;
  157
243
243
70
152
284
292
305
321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NTRI RAT
062718;
DISULFID
DISULFID
CARBOHYD
CARBOHYD
                                                                                                    CARBOHYD
CARBOHYD
                                                                                                                                                                                                                             CONFLICT
CONFLICT
CONFLICT
CONFLICT
CONFLICT
CONFLICT
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69
                                                                                                                                              CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               309
                                                                                   CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=Nt;
                                                                                                                                                                                        LIPID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NTRI RAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
  211111111111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
```

```
This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LINRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LPWKCLVVVSLRLLFLVPTGVPVRSGDATFPKAMDNVTVRQGESATLRCT1DNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               QGITREQSGEYECSASNDVAAPVVRRVNVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                         the
                                                                                                                                                                                                                                                                                                                                        protein sequencing; Glycoprotein; GPI-anchor;
Lipoprotein; Repeat; Signal.
Potential.
          developing projection systems: in neurons of the thalamus, subplate, and lower cortical laminae in the forebrain and in t pontine nucleus, cerebellar granule cells, and Purkinje cells
                                                                                                                                                                                                                                                                                                                                                                                    Neurotrimin.
Removed in mature form (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
Potential.
Potential.
Potential.
N-linked (GlCNAC. .) (Potential).
                                                      the hindbrain. SIMILARITY: Belongs to the immunoglobulin superfamily. IgLON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3;
                                                                                              SIMILARITY: Contains 3 immunoglobulin-like C2-type domains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1639.5; DB 1; Length 344;
Pred. No. 2.3e-122;
9; Mismatches 12; Indels 3;
DEVELOPMENTAL STAGE: Expressed at high levels in several
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CBB39BE53B33B224 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (Potential)
                                                                                                                                                                                                                                                       PIR, 156551, 156551.
InterPro; IRR07110; Ig-like.
InterPro; IPR003598; Ig_c2.
Pfam; PF00047; Ig; 3.
SMART; SM0408; IGc2; 2.
PROSITE: PS50835; IG_LIKE; 3.
Cell adhesion; Direct protein se Immunoglobulin domain; Lipoprote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     37998 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90.8%;
                                                                                                                                                                                                                                            EMBL; U16845; AAA67445.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 92.9
Matches 312; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44
70
1152
216
2284
2392
3321
321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       344 AA;
                                                                                                                                                                                                                                                                                                                                                                                        34
322
322
222
222
243
70
157
157
248
252
305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          321
                                                                                                                                                                                                                                                                                                                                                                                                                     DOMAIN
DOMAIN
DOMAIN
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                       PROPEP
                                                                                                                                                                                                                                                                                                                                                                              SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LIPID
                                                                                                                                                                                                                                                                                                                                                                                          CHAIN
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δ
```

STANDARD;

```
NTRI MOUSE
             099PJ0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          69 LINRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVXDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               129 HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QGITREQSGDYECSASNDVAAPVVRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEI 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAV 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              249 PSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASI 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        68
                                                                                                                                                                                                                                                                                                                                                                                           (Potential).
MGVCGYLFLPWKCLVVVSLRLLFLVPT -> MKTIQPRMHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9 LPWKCLVVSLRLLFELVPTGVPVRSGDATFPKAMDNVTVRQGBSATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Gaps
                                                                                                                                                                                                                                                                              Potential.
N-linked (GLCNAc. .) (Potential).
                                                                                                                                                                                                                                                                                                        (Potential). (Potential). (Potential).
                                                                                                                                                                                                     Removed in mature form (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
Potential.
                                                                                                                      SMART; SM00408; IGC2; 2.
PROSITE; PS50835; IG_LIKE; 3.
Alternative splicing; Cell adhesion; Direct protein sequencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1665.5; DB 1; Length 344; Pred. No. 1.9e-124; 3; Mismatches 10; Indels 3;
                                                                                                                                                          Glycoprotein; GPI-anchor; Immunoglobulin domain; Lipoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                   SISWAIFTGLAALCLFQ (in isoform 2) /FTId=VSP_010939.
                                                                                                                                                                                                                                                                                                                                                                                 GPI-anchor amidated asparagine
                                                                                                                                                                                                                                                                                                                                                                                                                             /FTId=vSP_010939.
PGAV -> ETVL (in isoform 3)
/FTId=vSP_010940.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DA4D12CZ95ABBE3A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Missing (in isoform 3). /FIId=VSP_010941.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           309 MLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                         MIM; 607938; -.
GO; GO:0008038; P:neuronal cell recognition; TAS.
InterPro; IPR00110; Ig-like.
InterPro; IPR003598; Ig-c2.
Pfam; PF00047; ig; 3.
                                                                                                                                                                                               Neurotrimin.
            EMBL, AF126426; AAF37591.1; --
EMBL, AY358331, AA088697.1; --
EMBL, BC050716; AAH50716.1; --
HSSP, P13590; IIE5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         344 AA; 37971 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               92.2%;
95.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 95.2
Matches 320; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   344
                                                                                                                                                                                 33
321
344
126
218
309
309
115
201
                                                                                                                                                                                                                                                                                           70
70
284
292
305
321
321
                                                                                                                                                                                                                                                                                                                                                                                                                                            316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 317
                                                                                                                                                                                                                                                                                                                                                                                                                                           313
                                                                                                                                                                                                        PROPEP
DOMAIN
DOMAIN
DOMAIN
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69
                                                                                                                                                                                                                                                                                DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             309
                                                                                                                                                                                                                                                                                                                                                       CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                         VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      189
                                                                                                                                                                                                                                                                    DISULFID
                                                                                                                                                                                                                                                                                                         CARBOHYD
                                                                                                                                                                                                                                                                                                                    CARBOHYD
                                                                                                                                                                                                                                                                                                                                 CARBOHYD
                                                                                                                                                                                                                                                                                                                                           CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                    CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                       ARSPLIC
                                                                                                                                                                                 SIGNAL
                                                                                                                                                                       Signal
                                                                                                                                                                                            CHAIN
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
```

RESULT 3 NTRI\_MOUSE

```
This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bloinformatics Institute. There are no restrictions on its was by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                         Kim T.H., Choi S.C., Kim J., Jeon J.W., Kim K.D., Lee S.H.; "Cloning and expression of mouse neurotrimin gene in the developing
                                                                                                                                                                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Neurotrimin.
Removed in mature form (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS50835; IG_LIKE; 3.
Cell adhesion; Glycoprotein; GPI-anchor; Immunoglobulin domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases
                                                                      (Rel. 41, Last sequence update)
(Rel. 45, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Potential.
                                               (Rel. 41, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AF282980; AAK00276.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAH23307.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL, BC023307; AAH23307.1; --
MGD, MGI:2446259; Hnt.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_C2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Signal.
                                                                                                                                                                                                                                                                                                                     STRAIN=ICR; TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00047; ig; 3. SMART; SM00408; IGc2; 2.
                                                                                                                                            Name=Nt; Synonyms=Hnt;
Mus musculus (Mouse).
Eukaryota; Metazoa; Cho
                                                                                                                      Neurotrimin precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lipoprotein; Repeat;
SIGNAL 1
                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
                                                                                                                                                                                                                                       NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                            system.
                                               28-FEB-2003
                                                                                             25-OCT-2004
                                                                      28-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOMAIN
DISULFID
                                                                                                                                                                                                                                                                                                                                                                                            nervous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DOMAIN
HID DATE OF THE SECOND OF THE
```

Yuan J.,

```
Carrier Strong N. A.

Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P., Putuda S., Furuno M., Hanagaki T., Hara A., Hashizume W., Haryabida K., Hayatsu M., Hanadka T., Hirzane T., Hayatsu M., Hayatsu M., Hiracka T., Hirzane T., Hayatsu M., Hiracka T., Hirzane T., Hayatsu M., Kawai J., Kojima Y., Konno H., Charahabi F., Takaka C., Shinagawa A., Shiraki T., Sogabe Y., Tagami M., Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T., Towaru A., Yoya T., Yasunishi A., Muramatsu M., Hayashizaki Y., Tanaka T., Submitted (JUL-2001) to the EMBL/Genbank/DDBJ databases.

BENEL, AKO45371; BAC32655.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LQCEASAVPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNK 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 NRVTRVAMLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241 LQCEASAVPSAEFQWFKDDKRLVEGKKGVKVENRPFLSKLTFFNVSEHDYGNYTCVASNK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MKTIQAKMHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NHPKTSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 SEDEYLEIQGITREQSGEYECSASNDVAAPVRRVKVTVNYPPYISEAKGTGVPVGQKGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MKTIQPKMHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 NRVTRVAWLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEDEYLE I QGI TREQSGDYECSASNDVAAPVVRRVKVTVNY PPY I SEAKGTGVPVGQKGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .;
0
"RIKEN integrated sequence analysis (RISA) system-384-format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LGHTNASIMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                              sequencing pipeline with 384 multicapillary sequencer.";
Genome Res. 10:1757-1771(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00408; IGc2; 2.
PROSITE; PS50835; IG LIKE; 3.
SEQUENCE 344 AA; 37941 MW; CDA5299D4CD86065 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98.6%; Score 1780; DB 2; 98.0%; Pred. No. 1.5e-133; ive 5; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NTRI HUMAN STANDARD; FALL, OSPIZI, OSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [1]
SEQUENCE FROM N.A. (ISOFORM 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro, IPR007110; Ig-like.
InterPro, IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 98.0
Matches 337; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF00047; ig; 2. SMART; SM00408; IGc2; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MGD; MGI:2446259; Hnt.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human)
                                                                                                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  P13596; 10Z1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HSSP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RTT REFERENCE SERVICE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

```
A REDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
A Klausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Klausher R.D., Collins F.S., Wagner L., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,
A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Tooshiyuki S., Carninci P., Prange C.,
Brownstein M.J., Usdin T.B., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.S., McEwan P.J., McKernan R.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Halton E., Ketteman M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield A., Schein J.E., Jones S.J.M., Marra M.A.,
F. "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isp-sib.ch).
                                                                                                                                                                                                                                                                                                                           Dowd P.,
Li G., Jin J., Tan X., Hu S., Yuan J., Qiang B.; "Cloning and identification of human neurotrimin full length cDNA."; Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                       MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003; Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J., Clen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P. Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Snith V., Stinson J., Vapts A., Vandlen R., Watanabe C., Wleand D., Woods K., Xie M.-H., Yansura D., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I., "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               verified cleavage sites.";
Protein Sci. 13:2819-2824[2004).
-!- FUNCTION: Neural cell adhesion molecule.
-!- SUBCELLULAR LOCATION: Attached to the membrane by a GPI-anchor.
-!- ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IsoId=09P121-3; Sequence=VSP 010940, VSP 010941;
Note=No experimental confirmation available;
SIMILARITY: Belongs to the immunoglobulin superfamily. IgLON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Signal peptide prediction based on analysis of experimentally
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=2;
IsoId=Q9P121-2; Sequence=VSP_010939;
Note=No experimental confirmation available;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Event=Alternative splicing; Named isoforms=3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PubMed=15340161; DOI=10.1110/ps.04682504;
Zhang Z., Henzel W.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=1;
IsoId=Q9P121-1; Sequence=Displayed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genome Res. 13:2265-2270(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A. (ISOFORM 3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bioinformatics assessment.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cDNA sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE OF 34-48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Skin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   monse
```

Q9negl drosophila Q14324 homo sapien Q7pt27 anopheles g Q9xx42 homo sapien Q8ve98 mus musculu Q7tpb4 rattus norv Q63242 rattus norv Q63547 mesocricetu Q6pj50 mus musculu			.e.) (ate.)	NA, RIKEN full-length OTRIMIN (GP65) homolog DNA, RIKEN full-length	OTRIMIN (GP65)	Craniata, Vertebrata, Euteleostomi, Sciuroqnathi, Muridae, Murinae, Mus.		. 6-70060 (66) 6287-36008	10-1000		35055500;	cDNA collection.";			nse I & II Team; unctional annotation of			2		scovery of new genes.";		ar.152600;	aki N., Carninci P., shiro H., Itoh M.,	ine T., Harada A., i T. Kashiwaci K.	ra E., Watahiki M., tsuura S., Kawai J.,	Yasiirean +.,
6.7 1035 2 Q9NEGI 6.7 1142 1 MYPF_HUMAN 6.7 1333 2 Q7PF57 6.7 316 2 Q9VE98 6.7 316 2 Q8VE98 6.7 316 2 Q7TPB4 6.7 461 2 Q5PJ50 6.7 468 2 Q6PJ50	ALIGNMENTS	PRELIMINARY; PRT; 344 AA.	(TrEMBLrel. 23, Created) (TrEMBLrel. 23, Last sequence update) (TrEMBLrel. 27, Last annotation update)	Mus musculus adult male corpora quadrigemina CDNA, RIKEN full-length enriched library, clone:B230328N06 product:NEUROTRIMIN (GP65) homolog (Mus musculus adult male corpora quadrigemina cDNA, RIKEN full-length	ıry, clone:B230377Kl7 product:NEUF	Chordata; Rodentia;	, 190;	SEQUENCE FROM N.A. STRAN=CSTBAL-66; TISSUE-Corpora quadrigemina; MEDITAR-00070052: DikMod-10140816: POT-10 1016/20076-6879(99)01004-9.	nebulantaly ("Carlotter to the control of the contr	Meth. Enzymol. 303:19-44(1999)	SEQUENCE FROM N.A. STRAIN-CS7BL/6J; TISSUE-Corpora quadrigemina; MEDLINE-21085660; PubMed-11217851; DOI-10.1038/35055500;	ANTOM Consortium; conal annotation of a full-length mouse c	)-690(2001). N A	ij; TISSUE=Corpora quadrigemina; Bortium,	the RIKEN Genome Exploration Research Group Phase I & II "Analysis of the mouse transcriptome based on functional	:ngth cDNAs.";  -573(2002).	N.A.	STRAIN=CS7BL/6J; TISSUE=Corpora quadrigemina; MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;	aki Y., Muramatsu M., Buyanata aki Y., Muramatsu M., Hayashizaki	ength cDNA libraries for rapid di	::tel/-1630(2000).	n.A. 13; TISSUE=Corpora quadrigemina; 13. PubMed=11076861: POI=10.1101/	oh M., Aizawa K., Nagaoka S., Sas ama J., Nishi K., Kitsunai T., Ta	Y., Nakamura S., Hazama M., Nish	rudiame, N. Trecom, C. Togawa Y., Izawa M., Ohara E., Watchiki M., Yonda Y., Inaka M., Ohara E., Watchiki M., Yonda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Otawaki W. Muramatan M. Thome V. Kira A. Havashizaki Y. Kawai J.,	וומוומרפת יויי דיזיסתכ דיין יידדת יייי
1492 121 1493 121 1494 121 1496 120.5 1496 120.5 1499 120.5 1499 120.5 1500 120.5	- E ##50 d	3G33 Q8BG33 Q8RG33	01-MAR-2003 01-MAR-2003 01-MAR-2003 05-JUL-2004	DE Mus musculus adult male DE enriched library, clone DE (Mus musculus adult male				RP SEQUENCE FROM N.A RC STRAIN=C57BL/6J; PY MEDIINE-00270263.			RP SEQUENCE FROM RC STRAIN=C57BL/(RX MEDLINE=210856)		Nacure [3]			RT 60,770 full-le RL Nature 420:563		RC STRAIN=C57BL/6 RX MEDLINE=204993								
Q9ers7 mus musculu Q18066 caenorhabdi Q6dr98 mus musculu Q28889 felis silve Q9wvt0 rattus norv Q7q6k5 anopheles g Q9qw80 mus sp. f Q6uxi4 homo sapien Q15225 homo sapien Q8t603 drosophila Q9y279 homo sapien	Q80wu0 mus musculu Q9nzn1 homo sapien P60029 pan trogolod	PJ-000 mus musculu Pl5209 mus musculu Q8t104 bombyx mori Q2824 hos tauns	QSOLT DOE CARLES QBnfn2 homo sapien Q7rtw5 homo sapien Q7rtw0 homo sapien	Q8spv8 pan troglod Q04523 cowpox viru Q77dr6 cowpox viru			Q7rtw4 homo sapien P43322 r pro-neure		a a a a a a a a a a a a a a a a a a a	P79185 macaca fasc Oczmd0 homo sapien		O14511 homo sapien O97745 sus scrofa	Ubbbyy xenopus lae 097744 sus scrofa	Q6h969 homo sapien Q6cuu0 homo sapien	Q9jj17 mus musculu Q6pjp0 homo sapien		면 된 된	Q63611 rattus norv Q6pdb1 homo sapien		⊣ ຫາ			Q78517 human herpe Q7zxr4 xenopus lae		Q60805 miss misculu Q80t10 mas masculu Q60805 miss misculu	21
IRL2 MOUSE DIM1_CAEEL QGGRF98 KIT FELCA G116_RAT QSQW80 QGUX14 QSTC03 QSTC03				FCGA_PANTR VB16_CWPXB Q77DR6															,				Q785L7 Q72XR4	-		
8 640 11 8 640 11 8 640 11 8 8 640 11 8 8 1349 11 12 8 12 12 12 12 12 12 12 12 12 12 12 12 12	476 696 696	821 1072 1176	167 211 241	316 326 326	394 412 462	637 639 640	645 662	785 994 272	390	4 4 4 5 5 6 8 6 6	969 969	820 823 823	9 9 9 9 6 4 5 4 4	1685 1685	155	332	000	412 558	818 527	1450	273	2 6 5 2 6 7 2 6 7	292 303	305	733 733 994	# D
123.5 123.5 123.5 6.8 123.5 6.8 123.6 6.8 123.6 6.8 123.6 12			22.5 22.5 22.5 6.	666	22.5 22.5 22.5 6.	22.5 6. 22.5 6. 22.5 6.	22.5	22.5 6. 22.5 6. 122 6.		. 6. 6		666			21.5 6.	21.5	21.5 21.5 6.	660	21.5	21.5 6.	٠٠٠	9 6	9.0	6		
	1430 1431 1432	1434 1435 1435							1454	1456	1458 1459 1460	1461	1463 1464 1465	1466 1467	468	470	473	474	0 7 7 7	0 0 0	1480	1483 1484	1485 1486	1487	1489 1490 1491	7027

was 1 sapphill and a sapphill as a sapphill and a sapphill a sapph	
1346   126.5   7.0   722   2   06GNB3   1347   126.5   7.0   723   2   06GNB3   1348   126.5   7.0   723   2   06GNB3   1349   126.5   7.0   1202   2   077589   1349   126.5   7.0   1202   2   077788   1352   126   7.0   1202   2   077788   1352   126   7.0   1262   2   08M125   1352   126   7.0   1263   2   08M125   1354   126   7.0   1263   2   08M125   1355   126   7.0   126   7.0   126   2   026873   1354   125.5   6.9   2718   2   061873   1361   125.5   6.9   2718   2   061873   1361   125.5   6.9   2718   2   061873   1361   125.5   6.9   2718   2   080127   1362   125.5   6.9   2718   2   080128   1364   125.5   6.9   2718   2   080128   1365   125.5   6.9   2718   2   080128   1366   125.5   6.9   275   2   080128   1366   125.5   6.9   275   2   080128   1366   125.5   6.9   275   2   080128   1366   125.5   6.9   275   2   080128   1366   125.5   6.9   275   2   080128   1366   125.5   6.9   275   2   080128   1373   125.5   6.9   275   2   080128   1373   125.5   6.9   275   2   080128   1373   125.5   6.9   275   2   080128   1374   125   6.9   275   2   080128   1374   125   6.9   275   2   080128   1374   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080128   1375   125   6.9   275   2   080174   1375   125   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   124   6.9   275   2   090128   1375   2   090128   1375   2   090128   1375   2   090128   1375   2   090128	123.5 6.8 241 2 123.5 6.8 253 2 123.5 6.8 261 2 123.5 6.8 285 2 123.5 6.8 285 2 123.5 6.8 285 2 123.5 6.8 402 2 123.5 6.8 402 2 123.5 6.8 501 2 123.5 6.8 501 2
Day on the man and o the little capoocomment and the contraction of the city o	hon muse hon muse hon muse hon muse hon muse hon muse hon was a ker was a ke
7.2 775 2 097754 7.2 332 1 0222_PANPA 7.2 208 2 022E0 7.2 208 2 026E1 7.2 208 2 026E1 7.2 208 2 026E1 7.2 208 2 026E1 7.2 365 2 026NN6 7.2 365 2 026NN2 7.3 306 2 020NN2 7.1 306 2 020NN2 7.1 308 1 PORR HUMAN 7.1 319 2 029NN3 7.1	658 2 2 2 3 4 4 0 2 2 3 3 4 4 0 2 2 3 3 4 4 0 2 2 3 3 4 4 0 2 2 3 3 4 4 0 2 2 3 3 4 4 0 2 2 3 3 4 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
1273 1274 1274 1275 1276 1277 130.5 1277 130.5 1278 1288 1288 1288 1288 1288 1288 1289 1289 1289 1299 1270	00000000000000000000000000000000000000

Q000993 mus musculu Q80yq3 mus musculu Q6pua9 ambyetoma m Q9p214 homo sapien Q9esa2 rattus norv Q9esa2 rattus norv Q9n680 drosophila O18431 geodia cydo Q95xj7 caenorhabdi Q96cy4 homo sapien Q8t460 homo sapien Q6td66 xenopus lae	O91742 xenopus lae O992v9 xenopus lae O16288 homo sapien O75682 homo sapien O98su3 danio dangi O9747 rattus norv O15228 homo sapien O68cr6 homo sapien O6bu57 mus musculu O90474 homo sapien O9bu47 homo sapien	Q7q44 anopheles g Q8ncbe homo sapien Q8nbi8 homo sapien Q80bi8 gallus gall Q61g13 drosophila Q63711 rattus ratt Q9jhx9 rattus norv Q62121 mus musculu Q9puf6 gallus gall Q7px42 anopheles g Q86x77 homo sapien Q86x77 homo sapien	Gense4 homo sapient of gense5 homo sapient of	
133.5 7.4 888 1 133.5 7.4 888 2 133.5 7.4 959 2 133 7.4 1598 2 133 7.4 317 2 133 7.4 365 2 133 7.4 363 2 133 7.4 541 2 133 7.4 612 2 133 7.4 802 1 133 7.4 802 1	133 7.4 818 2 133 7.4 818 2 133 7.4 839 1 133 7.4 839 2 133 7.4 974 2 132.5 7.3 411 2 132.5 7.3 419 2 132.5 7.3 419 2 132.5 7.3 419 2 132.5 7.3 419 2 132.5 7.3 420 2 132.5 7.3 420 2	132.5 7.3 492 132.5 7.3 533 132.5 7.3 584 132.5 7.3 620 132.5 7.3 620 132.5 7.3 621 132.5 7.3 671 132.5 7.3 800 132.5 7.3 1087 132.5 7.3 1087 132.5 7.3 1087	1239 132 7.3 412 2 06MZS4 1239 132 7.3 502 2 09Z200 1242 132 7.3 1048 2 P79749 1244 131.5 7.3 298 1 JAM2 HJMAN 1244 131.5 7.3 298 2 06MZG4 1245 131.5 7.3 370 2 06MZG4 1249 131.5 7.3 370 2 06MZG4 1249 131.5 7.3 370 2 06MZG4 1250 131.5 7.3 814 2 06GNP8 1250 131 7.3 259 2 08WR47 1251 131 7.3 259 2 08WR47 1252 131 7.3 330 2 06ZG4 1253 131 7.3 330 2 06ZG4 1255 131 7.3 330 2 06ZG4 1255 131 7.3 330 2 06ZG4 1255 131 7.3 335 2 070W7	131 7.3 408 2 131 7.3 408 2 131 7.3 408 2 131 7.3 408 2 131 7.3 935 2 131 7.3 936 2 130 5 7.2 295 2 130.5 7.2 295 2
homo s drosop rattus rattus homo s drosop drosop drosop anophe anophe shomo s	Q8qh12 gallus gall P16284 homo sapien Q74yns homo sapien Q7q984 anopheles g Q8c5k9 mus musculu Q8ce95 mus musculu Q9ji59 mv ascular O95727 homo sapien Q8n9c0 homo sapien Q8nfr5 brachydanio Q7pj18 anopheles g	O7pt04 anopheles g Q7ltw8 homo sapien Q91288 pleurodeles P79750 fugu rubrip Q71a42 caenorhabdi Q640u3 xenopus tro Q6125 xenopus tro Q69125 xenopus tro Q95m13 bos faurus Q8j38 brachydanio Q4604 sus scrofa Q7tpw5 mus musculu	Q131046 homo sapient Q13046 homo sapient Q16557 homo sapient Q59841 xenopus. fit Q659f2 homo sapient Q659f2 homo sapient Q659f2 homo sapient Q62nm1 homo sapient Q80tu8 mus musculu Q80tu8 mus musculu Q80tu8 mus musculu Q80tu8 baceriopha Q60tm0 bacteriopha Q20339 caenorhabdi Q9vnk0 drosophila Q6kgnl bacteriopha Q6kgnl bacteriopha Q6kgnl bacteriopha Q6kgnl bacteriopha Q6kgnl bacteriopha	Ogdeed gallus gall Ogdees gallus gall Og2299 mus musculu O607351 rattus norv P29294 oryccolagus O70351 sattus norv P29294 oryccolagus O70351 sattus norv O60351 sanopheles g O60351 mus musculu O60351 mus musculu O70516 mus musculu O98921 gallus gall O98922 gallus gall O07407 drosophila O607407 drosophila O60680 mus musculu
			2 OGAHAN 2 OGAHAS 1 PSG3 HUMAN 2 O9FSD1 2 O6FSY4 2 O9FSY4	
137 7.6 1137 7.6 1137 7.6 1137 7.6 1137 7.6 1137 7.6 1137 7.6 1137 7.6 1137 7.6	36.5 36.5 136.5 136 136 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	35.5 335.5 35.5 35.5 35.5 7.5 1135 1135 7.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1		
	144444444444	100000000000000000000000000000000000000	1116654 1117694 11177 11177 11177 11178	

981802 homo sapien  981802 rattus norv  0801801 danio nigro  06310 cattus norv  98655M3 caenorhabdi  98656M3 canis famil  P16534 homo sapien  996584 homo sapien  9918461 gallus gall  P16534 homo sapien  991873 homo sapien  991874 homo sapien  991874 homo sapien  991875 mus musculu  99187 brachydanio  99187 mos musculu  99187 mos sapien  99662 homo sapien  99662 homo sapien  996618 homo sapien  996618 homo sapien  996618 homo sapien  996619 homo sapien  996619 homo sapien  996619 mus musculu  996619 homo sapien  996619 homo sapien  996619 homo sapien  996613 mus musculu  996613 mus musculu  996614 homo sapien  996615 homo sapien  996615 homo sapien  996616 homo sapien  996713 mus musculu  996713 mus musculu  996713 homo sapien  996715 homo sapien  996715 homo sapien  996715 homo sapien  996718 homo sapien  99778 brachydanio  99778 brachydanio  99778 homo sapien  90778 hom	homo sapi xenopus 1 rattus no drosophilo hyalophor homo sapi xenopus 1 sus scrof danio alb homo sapi coturnix homo sapi
141 7.8 821 1 FGR2 HUMAN 141 7.8 888 2 08V129 9 888 2 08V140 140.5 7.8 737 2 0988U1 140.5 7.8 1079 2 0667G6 140.5 7.8 1079 2 0667G6 140 7.8 823 1 CEK2 CHICK 140 7.8 820 2 098066 140 7.8 820 1 CEK2 O098G6 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098068 140 7.8 820 2 098062 140 7.8 7.7 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	7.6 767 2 9868YG 7.6 1087 1 PGDS 7.6 385 2 Q9VRX 7.6 413 1 HEWO 7.6 413 2 Q9CS 7.6 428 2 Q9CS 7.6 463 2 Q6GJ7 7.6 740 1 PEC1 7.6 1040 2 Q9SBS 7.6 1040 2 Q9SBS 7.6 1379 2 P7970 7.6 366 2 Q6BNX 7.6 366 2 Q6BNX 7.6 366 2 Q6BNX
11110100000000000000000000000000000000	•
Q03142 mus musculu Q71549 gallug gall Q8c310 mus musculu Q8c4604 r protein-t Q99y505 mus musculu Q9e685 mus musculu Q9e685 mus musculu Q9e685 mus musculu Q96v22 mytilus gal P07333 bomo sapien Q8cw/ homo sapien Q8ty22 mytilus gal Q9ty22 mytilus gal Q9ty23 mus musculu Q8bx76 m mus musculu Q8bx76 m mus musculu Q8bx76 m mus musculu Q8bx76 m wus musculu Q8bx76 mus musculu Q8y13 anopheles g Q9qy13 mus musculu Q8xf11 homo sapien Q25177 hydra atten Q26165 caenorhabdi Q30mye fugu rubrip Q30mye gaodia codnorhabdi Q30mye gaodia codn	homo caen homo caen caen oryc brac xenc anop
11111111111111111111111111111111111111	324 .8 334 .8 334 .8 1007 .8 1227 .8 2000 .8 2000 .8 456 .8 456 .8 456
N N N N N N N N N N N N N N N N N A	040 141. 041 141. 042 141. 044 141. 045 141. 046 141. 047 141. 048 141. 049 14. 049 14. 050 14. 050 14.

Q8bj10 mus musculu P25934 rattus norv Q805b9 brachydanio Q9w1t8 drosophila Q8tdy8 homo sapien Q9qw0 rattus sp. Q64605 rattus norv Q75237 homo sapien Q8k1g0 rattus norv Q8t373 mus musculu Q9x151 mus musculu		Q65151 mus musculu Q65151 mus musculu Q65120 rattus norv Q65120 mus musculu Q90815 gallus gall Q3544 mus musculu Q90815 gallus gall Q3544 mus musculu Q90613 homo sapien Q51147 homo sapien Q5111 mus musculu Q7pvm4 anopheles g Q65847 homo sapien Q9111 mus musculu Q99168 mus musculu Q99168 mus musculu Q99175 homo sapien Q91177 homo sapien Q9175 homo sapien Q99175 homo sapien Q99177 homo sapien Q99177 homo sapien Q9917 homo sapien Q9917 homo sapien Q9917 mus musculu Q96292 rattus norv Q96292 mus musculu Q91109 mus musculu Q91104 gallus gall Q72771 racepus lae P20786 rattus morv P26618 mus musculu Q66172 brachydanio Q66172 brachydanio Q66172 brachydanio Q6512 brachydanio Q6512 mus musculu Q7743 mus musculu Q75292 mus musculu Q75292 mus musculu Q75292 mus musculu Q9163 drosophila
149.5 8.3 360 2 149.5 8.3 360 2 149.5 8.3 1073 1 149.5 8.3 1073 2 149.5 8.3 1250 2 149.5 8.3 1851 2 149 8.3 335 2 149 8.3 372 2 149 8.3 388 2 149 8.3 372 2	149 8.3 1894 2 148.5 8.2 280 2 148.5 8.2 280 2 148.5 8.2 280 2 148.5 8.2 280 1 148.5 8.2 536 1 148.5 8.2 536 1 148.5 8.2 1872 2 148.5 8.2 1173 2 148.5 8.2 1173 2 148.5 8.2 1173 2 148.5 8.2 1180 2 148.5 8.2 1180 2 148.5 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 1804 2 148.8 8.2 22 2 147.5 8.2 233 1 147.5 8.2 333 1	941 147.5 8.2 403 1 RAGE MOUSE  943 147.5 8.2 403 1 RAGE MOUSE  944 147.5 8.2 573 2 066327  945 147.5 8.2 1499 2 066327  946 147 8.1 402 2 03544  947 147 8.1 649 2 035444  949 147 8.1 1044 2 091033  950 147 8.1 1044 2 091111  952 146.5 8.1 1237 2 075147  953 146.5 8.1 1252 2 091111  954 146.5 8.1 231 2 065807  956 146.5 8.1 231 2 065807  957 146.5 8.1 1280 2 095ESS  958 146.5 8.1 1280 2 090EFT  969 146.5 8.1 1280 2 090EFT  960 146.5 8.1 1280 2 090EFT  961 146.5 8.1 1280 2 090EFT  962 146.5 8.1 1280 2 090EFT  963 146.5 8.1 1280 2 090EFT  964 146 8.1 773 2 090EFT  965 146.5 8.1 1280 2 090EFT  967 146.5 8.1 1089 1 PGDS RAT  970 146.5 8.1 1089 1 PGDS RAT  971 146 8.1 1089 1 PGDS RAT  972 145.5 8.1 1089 1 PGDS RAT  973 145.5 8.1 1089 1 PGDS RAT  974 145.5 8.1 500 2 066173  975 145.5 8.1 500 2 06557  977 145.5 8.1 500 2 060EFT  978 145.5 8.1 500 2 060EFT  979 145.5 8.1 500 2 060EFT  971 146.5 8.1 1089 1 PGDS RAT  971 145.5 8.1 500 2 060EFT  972 145.5 8.1 500 2 060EFT  973 145.5 8.1 500 2 060EFT  974 145.5 8.1 500 2 060EFT  975 145.5 8.1 500 2 060EFT  976 145.5 8.1 500 2 060EFT  977 145.5 8.1 500 2 060EFT  978 145.5 8.1 500 2 060EFT  978 145.5 8.1 500 2 060EFT  979 145.5 8.1 500 2 060EFT  970 145.5 8.1 500 2 060EFT  971 145.5 8.1 500 2 060EFT  972 145.5 8.1 500 2 060EFT  973 145.5 8.1 500 2 060EFT  974 145.5 8.1 500 2 060EFT  975 145.5 8.1 500 2 060EFT  977 145.5 8.1 500 2 060EFT  978 145.5 8.1 500 2 060EFT  979 145.5 8.1 500 2 060EFT  970 1
anop gall homo mus mus gall homo homo mus mus	Q8r2y2 mus musculu Q9pp60 h x-linked Q86pm4 hydra atten P52583 coturnix co Q93350 caenorhabdi Q6nr54 drosophila Q8av57 gallus gall Q7jn85 caenorhabdi Q7jn85 caenorhabdi Q7jcu3 anopheles g Q677m1 gallus gall Q9jaj0 xenopus lae P23468 homo sapien Q6pjs2 homo sapien Q6pjs2 homo sapien Q6pjs2 homo sapien Q5gy5 m mman-g pr P16573 rattus norv Q28633 oryctclagus Q7pxw9 anopheles g Q7pxw9 anopheles g Q22040 caenorhabdi Q9jj08 rattus norv Q86422 homo sapien	O'DUNH anopheles g P55146 rattus norv 063h13 homo sapien 091z0 rattus norv 000872 homo sapien 086t39 homo sapien 086t39 homo sapien 086t39 homo sapien 086t26 homo sapien 086t26 homo sapien 086t26 homo sapien 08775 rattus norv 091zt1 rattus norv 07pvk5 anopheles g 07pvk6 anopheles g 07pvk7 anopheles g 07pvk7 anopheles g 07pvk6 anopheles g 07pvk7 anopheles g 07pvk7 anopheles g 07pvk7 mus musculu 069t07 ant musculu 069t07 ant musculu 069t08 homo sapien 096t15 homo sapien 096t16 homo sapien 086w08 mus musculu 024205 drosophila 02tw08 mus musculu 086t48 homo sapien
8.6 707 2 8.6 819 1 1 8.6 1363 1 1 8.6 1363 1 8.6 1897 1 8.6 1898 2 8.5 624 2 8.5	8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	152 8.4 810 2 OYPUH1 152 8.4 810 2 OYPUH1 152 8.4 1024 2 OSJATA 152 8.4 1024 2 OSJATA 152 8.4 1024 2 OSJATA 152 8.4 1148 2 OSJATA 152 8.4 1171 2 OSGATA 152 8.4 1171 2 OSGATA 151 8.4 1171 2 OSGATA 151 8.4 1363 2 OYPUTA 151 8.4 324 2 OYPUTA 151 8.4 324 2 OYPUTA 151 8.4 344 2 OYPUTA 151 8.4 344 2 OYPUTA 151 8.4 344 2 OYPUTA 151 8.4 1136 2 OSTATA 151 8.4 1136 2 OSTATA 151 8.4 1136 2 OSTATA 151 8.4 113 2 OSGATA 150 8.3 422 2 OYTWA 150 8.3 432 2 OYTWA 150 8.3 3 1298 1 OYTWA 150 8.3 3 1298 1 OYTWA 150 8.3 1129 1 OYTWA 150 8.3 1121 CEAR HUMAN 150 8.3 1171 CEAR HUMAN 150 8.3 1171 CEAR HUMAN

P13369 felis silve (99795 homo sapien (9801w5 brachydanio (72285 brachydanio (90460 brachydanio (90460 brachydanio (90460 brachydanio (865m2 mus musculu P11362 homo sapien (18100 caenorhabdi (94329 hirudo medi (23550 caenorhabdi (93150 caenorhabdi (90709) homo sapien (64909 homo sapien (64909 homo sapien (970174 drosophila (770132 pleurodeles (13332 homo sapien (91332 homo sapien	Q28730 oryctolagus Q28730 oryctolagus Q21041 caenorhabdi Q7kti7 drosophila Q86966 drosophila Q81591 drosophila Q81591 drosophila Q81591 drosophila Q81591 drosophila Q81591 drosophila Q9168 drosophila Q9168 drosophila Q9168 mus musculu Q94707 rattus sp f Q7pmi7 mnophales g Q94707 rattus sp f Q7pmi7 mus musculu Q81119 mus musculu Q9119 mus musculu		Q80020 brachydanio Q80020 brachydanio P09581 mus musculu Q000495 rattus norv Q7kuk9 drosophila Q7pqf4 anopheles g Q23551 caenorhabdi Q95144 mus musculu Q6nzm6 mus musculu Q6n354 homo sapien Q91w54 mus musculu Q61357 mus musculu Q61352 mus musculu
980 990 990 990 990 990 990 990 990 990	111999 111999 111999 111999 111999 111999 111999 11199 119 1199 1199 1199 1199 1199 1199 1199 1199 1199 1199 1199	7.7 939 939 939 939 939 939 939 939 939 939	.6 740 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	780 158.5 781 158.5 782 158.5 784 158.5 784 158.5 787 158.5 789 158 790 158 791 158 792 158 793 158 794 157.5 795 157.5	ання нан	ннн
P43121 homo sapien Q9uli7 homo sapien Q9vqw1 drosophila Q9vqw1 drosophila Q9vqw1 drosophila Q04589 rattus norv Q60818 mus musculu Q9v4y6 drosophila Q8nfa6 homo sapien Q97394 drosophila Q920c3 mus musculu Q13740 homo sapien Q35112 rattus norv Q96p30 homo sapien Q56p30 homo sapien Q66p34 drosophila Q9v6c1 drosophila Q9v6c1 drosophila Q9v6c1 drosophila	Q68fq2 rattus nory Q9dlm9 mus musculu Q9dBb7 mus musculu Q9dBb7 mus musculu Q9dBb4 m junctiona P50895 homo sapien Q86vc7 homo sapien Q8cim9 mus musculu Q8cim9 mus musculu Q8cim9 mus musculu Q8cim9 mus musculu Q9citk drosophila Q6cpp2 mus musculu Q6cpp2 mus musculu Q6cpp2 mus musculu Q6cpp3 mus musculu Q6cpb3 mus musculu Q6cph3 homo sapien Q9db1 mus musculu Q9dcfi mus musculu	Q9umf0 homo sapien Q66442 mus musculu Q86xy3 homo sapien Q961a5 homo sapien Q961a5 homo sapien Q961a5 homo sapien Q95p10 xenopus lae Q95p10 drosophila Q23991 drosophila Q70p19 anopheles g Q9vbe5 drosophila Q95ym1 procambarus Q96vr2 bos taurus Q96kr2 bos taurus Q96kr2 bos taurus Q96kr2 bos taurus Q96kr3 bos taurus	Q9WOD GLOSOPALIA Q8ink5 drosophila Q96f11 homo sapien Q9bf12 homo sapien Q13854 homo sapien Q21354 homo sapien Q2212 suus scroffa Q29upul homo sapien Q9upul homo sapien Q9upul homo sapien Q9wpul sapien Q8wcdo mus musculu Q19663 caenorhabdi Q86cy9 helicoverpa Q96h13 phomo sapien Q86cy9 helicoverpa
646 1 102 1033 2 2 1063 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 310 2 Q68FQ2 310 2 Q9DLM9 310 2 Q9DLM9 310 2 Q9DEX4 310 2 Q9EX4 310 2 Q9EX4 310 2 Q9EX4 310 2 Q9EX7 310 2 Q9EX7 310 2 Q8CTD 311 2 Q9EX2 311 2 Q9EX2 311 2 Q9EXB2 312 2 Q9EXB2 312 2 Q9EXB2 313 2 Q9ERB3 314 2 Q9ERB3 315 2 Q9ERM3 317 2 Q9ERM3 318 2 Q9ERM3	924 - 1	2948 2948
1665 1665	603.55 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	163 1622.5 1622.	161 161 161 161 161 161 161 161 161 161

Q13984 homo sapien Q9jka5 mus musculu Q7Q127 anopheles g Q86t37 homo sapien Q96tc9 homo sapien Q86tc9 homo sapien Q8mld5 drosophila Q7yt99 mytilus gal Q9v7g8 drosophila Q9v77g drosophila Q9v77g drosophila			Qenp04 drosophila Qe6pj4 rattus norv Q9jhyl rattus norv P22182 xenopus lae Q7pun3 anopheles g Q8jfu3 brachydanio Q78y58 brachydanio Q78y58 brachydanio Q78y58 rattus norv Qemg86 rattus norv Q7pv74 anopheles g Q7yrf6 canis famil Q08u1 drosophila Q08u1 drosophila Q08u1 drosophila	0674v1 podococyne 0861f8 drosophila 0861f8 drosophila 0861r15 drosophila 0801r15 drosophila 080185 xenopus lae 044328 hirudo medi 090304 carassius a 081063 drosophila 090485 drosophila 090485 drosophila 0869a0 drosophila 0804r9 mus sp. f 07pg17 anopheles g 08msn7 drosophila 0904r9 drosophila 0904r9 drosophila 090x22 brachydanio 095m8 caenorhabdi 090x22 brachydanio 095m8 caenorhabdi 077x0 anopheles g 08r26 brachydanio 080x2 brachydanio
172 9.5 287 2 172 9.5 319 1 172 9.5 371 2 172 9.5 1045 2 172 9.5 1320 2 172 9.5 2403 2	171.5 9.5 1338 1 171.5 9.5 2872 2 171.5 9.5 28926 2 171 9.5 373 2 171 9.5 468 2 171 9.5 468 2 171 9.5 468 2	171 9.5 534 2 171 9.5 164 2 171 9.5 1255 2 171 9.5 1257 1 171 9.5 2224 2 171 9.5 2624 2 170.5 9.4 370 2 170.5 9.4 521 1 170.5 9.4 521 1	170.5 9.4 591 2 170 9.4 291 2 170 9.4 300 1 170 9.4 812 1 169.5 9.4 351 2 169.5 9.4 351 2 169.5 9.4 402 1 169.5 9.4 402 2 169.5 9.4 200 2 169.5 9.4 764 1 169 9.4 764 1 169 9.4 764 1	660 169 9.4 1254 2 06/44V1 662 168.5 9.3 801 2 066LF9 663 168.5 9.3 801 2 066LF9 664 168 9.3 2159 2 06PAL2 665 168 9.3 2159 2 06PAL2 665 168 9.3 2159 2 06CNS 666 168 9.3 2051 2 044328 667 167.5 9.3 2051 2 044328 669 167.5 9.3 784 2 061063 670 167.5 9.3 784 2 061063 671 167.5 9.3 784 2 08076L9 672 167.5 9.3 1019 2 09VH85 673 167.5 9.3 2776 2 086782 674 167 9.2 2898 2 086829 674 167 9.2 489 2 07PGL7 675 167 9.2 2898 2 0808N7 676 167 9.2 2200 1 LAR CAEEL 681 167 9.2 2200 1 LAR CAEEL 682 166.5 9.2 1276 2 09VYG 683 166.5 9.2 1276 2 09VYG 684 167 9.2 2200 1 LAR CAEEL 685 166 9.2 1236 2 09VYG 685 166 9.2 1236 2 09VYG 686 166.5 9.2 2009 1 LAR CAEEL 687 166.5 9.2 2009 1 LAR CAEEL 688 166.5 9.2 2009 2 09VYG 688 166.5 9.2 2009 2 09VYG 689 166.5 9.2 2009 2 09VYG 689 166.5 9.2 2009 2 09VXG
mus mus homo mus ratt ratt anop mand	mus cae cae dro dro bos	pleur ratti drosc mus r bomo mus r mus r mus r moph		Offers anopheles g 086612 pan troglod 076045 xenopus lae 080993 drosophila 090930 drosophila 079417 pongo pygma 079418 pan troglod 096101 drosophila 06561 caenorhabdi 01558 homo sapien 076281 drosophila 076281 mospheles g 08mre6 drosophila 0701975 anopheles g 08mre6 drosophila 06xx16 homo sapien 070037 anopheles g 08m108 anopheles g 09m47 homo sapien 07003 anopheles g 08m108 drosophila 07005 anopheles g 08m108 drosophila 07007 anopheles g 08m108 drosophila 08m108 drosophila 09m25 homo sapien 07m27 bombyx mori
				2 QFPVL9 2 QRPVL9 2 QRMYS2 2 QPMYS2 2 QPWS2 2 QPVQL8 2 QFLU1 2 QFLU1 2 QFS GR I 1 UN52 CAEEL 2 QFR XT G 2 QFR

Qéuwlé homo sapien O'gogo anophales g G'gogo anophales g G'gogo acophila Q'gogo acophila Q'gog	QBELSE Caenorhabdi QBELSE Caenorhabdi QBMQ86 Caenorhabdi QG9y13 homo sapien Q723b7 homo sapien QYZ3b7 homo sapien QYZ519 hydra atten QSESS mus musculu Q9255 mus musculu Q92555 mus musculu Q91515 mus musculu Q91515 prachydanio Q27418 manduca sex Q774a0 anopheles g Q7261 brachydanio Q9141 gallus gall Q9141 tattus norv Q9w259 drosophila Q80021 brachydanio Q90200 brachydanio
1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	181 10.0 181 10.0 181 10.0 181 10.0 181 10.0 180.5 10.0 180.
Q8ign3 drosophila Q9qvq rattus sp. G6nz34 drosophila Q9vqq2 drosophila Q9vqq2 drosophila Q9vq2 drosophila Q9vis8 drosophila Q8vis8 drosophila Q8bs24 mus musculu Q6pgj3 mus musculu Q6pgj3 mus musculu D1627 mus musculu Q8n77 homo sapien Q91v87 mus musculu Q8n77 homo sapien Q91v87 mus musculu Q8n77 homo sapien Q91v87 mus musculu Q9x23 homo sapien Q91v87 mus musculu Q9x214 homo sapien Q94z3 rattus norv Q92221 mus musculu Q9qva3 rattus norv Q6pw37 rattus norv Q6pw36 rattus norv Q6pw36 rattus norv Q6pw37 rattus norv Q6pw36 rattus norv Q6pw36 rattus norv Q6pw37 drosophila Q9nCp7 drosophila Q9nCp7 drosophila Q9vqG8 drosophila	
193 10.7 166 2 091GN3 193 10.7 1166 2 090W34 193 10.7 1508 2 090W34 194 192.5 10.7 1508 2 090W34 195.5 10.7 1209 2 090W38 195.5 10.7 1209 2 090W38 195.5 10.7 1209 2 090W37 195.5 10.6 1266 2 080W34 113 190 10.6 602 2 090W37 191 10.6 602 2 090W37 192 10.6 1308 1 NRCA HUMAN 193 10.6 1308 1 NRCA HUMAN 194 10.6 1308 1 NRCA HUMAN 195 10.6 1308 2 060W38 190.5 10.5 1194 2 060W36 190.5 10.5 10.5 1194 2 060W37 190.5 10.5 10.5 1194 2 060W37 190.5 10.5 10.5 1209 2 090W69 190.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 1	188.5 10.4 1032 2 188.5 10.4 1036 2 188.5 10.4 1330 2 188.5 10.4 1330 2 188.5 10.4 1330 2 188.5 10.4 1342 2 188 10.4 1342 2 188.5 10.4 1259 1 187.5 10.4 2413 2 187 10.4 2133 2 186.5 10.3 1264

	anoph drosc drosc	Q9eqj5 mus musculu Q9eqj5 mus musculu Q8irv9 drosophila	Q9w4y4 drosophila Q8mpn3 drosophila	OBirv8 drosophila O7kqp5 drosophila	Q7kqp7 drosophila Q9v4f7 drosophila	Q7t2h2 gallus gall Q8by18 mus musculu	Q80ze3 mus musculu	Q07153 torpedo cal	Q9bzz2 homo sapien O7ơ9i6 anopheles q	O7dh02 anopheles g	P70211 mus musculu	P97798 mus musculu 07zz48 brachydanio	Q63155 rattus norv	Q/cqgs mus musculu Q6zmd4 homo sapien		bracl	Qecabs mus musculu Qekams mus musculu	Q8izy4 homo sapien O86vv1 homo sapien	060926 homo sapien	Q9neg0 drosophila	P97685 rattus norv Q66mn5 drosophila	Q8mra3 drosophila	Q9v787 drosophila	Qelous mus musculu Qezqs4 mus musculu	P43146 homo sapien	O9i7u4 drosophila	Q7psj8 anopheles g O94856 homo sapien	P11799 gallus gall	Uyuspz caenornabdı 042414 gallus gall	Q8m147 drosophila	Q96ms0 homo sapien	Q94538 drosophila O9v6d5 drosophila	O98902 fugu rubrip	Q9VWZ/ GLOSOPHIA Q810u4 mus musculu	0967d9 drosophila	rattus r	drosopi
2 044928 2 08J127 2 08J1M2 2 0RAY67 2 0RAY67 2 08NFZ8	0000	7 77 77	0 0	0 0	0 0		77	10	- ~	1010	7 7	<b>н</b> с	100	N (N	α-	2 Q90Z7		90		10	7	00	2 090787	2 06Z	٦,	10	7 -1		N H	0 0	<b>7</b> H		<b>н</b> (	7 11	2 Q967D	N 70	
2 1273 2 1409 2 1409 2 1428 2 2022 2 388																									-												
202 11. 202 11. 202 11. 202 11. 202 11. 201.5 11.	7777	###	11	11	11	11	111	11:	I I	11:	11	##	17.	7.7	11.	17:	11	11	12:	11	110	010	101	201	010	101	10	10	101	010	20	100	100	100	10	101	201
325 325 327 328 329 230																																					94 193
Opens another of the control of the	O7qjg1 anopheles g Q8n126 homo sapien Q9p232 homo sapien	xen	Q71b05 brachydanio P91767 manduca sex		Q7psh7 anopheles g Q7q6h1 anopheles g	P34082 drosophila Q13308 homo sapien		MUS	mus hom	Q7qj29 anopheles g	Q99nz8 m neccin-ii Q96aa2 homo sapien	Q924d2 mus musculu	hom	Q7z4ju nomo sapien Q6pdn3 mus musculu	Q8n441 homo sapien	homod	Q7qeg7 anopheles g Q07409 mus musculu	Q9y6n7 homo sapien	Question Commence of Commence	O8n7w7 homo sapien	Q8r4b3 mus musculu Q9nbal drosophila	Q8wr45 caenorhabdi	Q87882 factors norv Q8mkm6 drosophila	Q8mkm7 drosophila Q8mkm8 drosophila	Q95ym2 procambarus	O57349 gallus gall	P97603 rattus norv Q98sw4 brachydanio	Ogwids drosophila	Q7qg58 anopheles g Q90610 gallus gall	Xer	Q/qeis anopheies g Q8wxu7 homo sapien	homod	brach	Obidey drosophila O94155 caenorhabdi	O80yn8 mus musculu	Q8msr5 drosophila	Q68j72 apis mellif Q9nr99 home sapien
1419 2 Q98SW3 816 2 Q98SW3 1070 2 Q6RG54 1651 1 ROBI_RAT 240 2 Q7PRJ5 498 2 Q8BRTG	0000	0 0 0	0 0	0 0	01 07		200	7 77	7 -	101	N 67	02 C	4 6	7 7	7 0	4 (7)	2 070EG 2 00740	7		7 7	0 0	7 0	v 70 ·	7 7	7 0	4 70	r 0	7	7 7	010	v 0	90	101	7 7	010	2 Q8MSR	0 0 7
	444		44													;;				;;		4.	: i :		4.4			i.i.		4.		۲.			4.	; ;	11.2
215 214.5 214.5 214.5 214	10 10 10 1		~ · ·	~ ~	MМ	ហល	LO L	വെ	n n	· O -		00	00		0.0	0	n	10 0					0.10	0.10	10.11	3 10	ın ın	ın ·	CH <h< td=""><td></td><td></td><td></td><td></td><td>~ ~</td><td>~ .</td><td>0 10</td><td>n n</td></h<>					~ ~	~ .	0 10	n n

015146 homo sapien Q90z03 xenopus lae P98160 homo sapien Q9w675 brachydanio Q6plc6 mus musculu Q8c6x1 mus musculu Q91048 gallus gall P97527 rattus norv Q9p2j2 homto sapien Q6ayp5 rattus norv O01761 caenorhabdi			mus muscu mus muscu mus muscu schietoc xenopus 1 yeallus ga gallus ga homo sapi mus muscu homo sapi homo sapi homo sapi homo sapi mus muscu mus muscu mus muscu mu	Q8nyV2 BWB SECORA Q8mtb2 drosophila Q9v830 drosophila Q9v829 drosophila Q6p5h3 mus musculu Q7pf93 anopheles g Q9bxn7 homo sapien Q6zpe6 mus musculu Q8yw64 drosophila P20241 drosophila P20241 drosophila Q6wrh9 rattus norv Q8wr43 caenorhabdi
29.5 12.7 869 1 229 12.7 1056 2 229 12.7 1056 2 228.5 12.7 1040 2 228.5 12.7 1040 2 227.5 12.6 1099 2 227.5 12.6 1099 2 226.5 12.5 6632 1 226 226 226 225 6632 1 2 226 226 225 6632 1 2 226 226 226 225 6632 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	225.5 225.5 12.5 225.5 12.5 12.5 12.4 224.5 12.4 12.4 12.4 12.4 12.4 12.4 12.4 12.4	222 12.3 450 221.5 12.3 595 221.5 12.3 662 221 12.3 435 221 12.2 436 221 12.2 436 221 12.2 1340 221 12.2 1340 221 12.2 1340 220.5 12.2 336 220.5 12.2 336 220.5 12.2 336 220.5 12.2 336	4445 4445 4445 10049 10049 10060 10060 10091 10091 10091 10115 10115 10105 101	217 12.0 886 2 217 12.0 1443 2 217 12.0 1743 2 216.5 12.0 1770 2 215.5 11.9 286 2 215.5 11.9 497 2 215.5 11.9 497 2 215.5 11.9 886 2 215.5 11.9 2597 2 215.5 11.9 2597 2 215.5 11.9 444 2
Q9w260 drosophila Q9xzb7 drosophila Q96cj3 homo sapien Q9kzj3 homo sapien Q9w213 drosophila Q9wz12 drosophila Q8wz42 homo sapien Q8bzy7 mus muscu Q8bzy7 mus musculu Q8bzq mus musculu Q8byq mus musculu Q8byq hus musculu	Q80356 home sapien Q90yml brachydanio Q24372 drosophila Q24372 drosophila Q9v6c2 drosophila Q8i013 caenorhabdi O7518 caenorhabdi O35136 mus musculu Q9pp6 drosophila Q9pp7 drosophila Q26474 schistocerc	Q7pzs8 anopheles g Q90ym0 brachydanio Q90ym0 brachydanio Q8nfp4 homo sapien Q8nf66 homo sapien Q6rkb2 rattus norv Q6rkb2 rattus norv Q6rkb2 rattus norv Q6 ga2 homo sapien Q94898 homo sapien Q96dh8 homo sapien Q77f2 homo sapien Q77f2 homo sapien	Q72553 homoo sapien Q72554 natus norv P28685 gallus gall P60756 rattus norv G60xv7 mus musculu O15394 homo sapien Q28106 bos taurus P19566 mus musculu Q7gcu0 anopheles g Q65793 mus musculu Q66xv8 mus musculu Q66xv8 monopus lae Q6xr8 homo sapien Q90w79 gallus gall Q6wr10 homo sapien Q90w79 pallus gall Q6wr10 homo sapien Q90y137 manduca sex Q97136 manduca sex Q97137 monduca sex P22063 rattus norv Q94780 homo sapien Q7xx1 xenopus lae P97528 rattus norv	Quisit caenorhabdi Quisif caenorhabdi Quisif caenorhabdi Quisif caenorhabdi Dug52 homo madi Quig52 homo sapien Quip8 mus musculu Qony23 brachydanio Q62838 rattus norv Quvd6 brachydanio Q61330 mus musculu Q801v8 brachydanio
14.4 500 2 14.4 601 2 14.4 1395 2 14.3 7962 2 14.3 34350 2 14.3 395 2 14.3 395 2 14.3 395 2 14.3 395 2 14.3 395 2	14.2 435 2 14.1 838 2 14.1 359 1 14.1 359 2 14.1 5175 2 13.9 1342 2 13.9 1342 2 13.9 1342 2 13.9 349 1	13.8 525 13.8 955 13.8 1040 13.8 1040 13.6 627 13.6 837 13.6 1018 13.6 1018 13.6 1028 13.6 1028 13.6 1038	243.5 13.5 956 1 MOCI HUMAN 243.5 13.5 1021 1 CONT_RAT 242.5 13.4 949 1 MOCI RAT 241.5 13.4 1020 2 MOKIQT 241.5 13.4 1018 2 QUINTO 241.5 13.4 1018 2 QUINTO 241.5 13.4 1018 2 QUINTO 241.5 13.3 1707 1 NCMT HUMAN 240 13.3 3707 1 PGBM MOUSE 237.5 13.2 702 2 QGSYR 237.5 13.0 102 1 QGSXR 235.5 13.0 102 2 QGSKR 235.5 13.0 102 2 QGRR 234.5 13.0 102 2 QGRR 234.5 13.0 1040 1 AXOI RAT 233.5 12.9 1026 2 Q9479 233.5 12.9 1026 2 Q9479 233.5 12.9 1028 2 QGSTR 233.5 12.9 2 QGSTR 234.5 12.9 2 QGSTR 24.5 12.9 2 QGSTR 25.5 12.0 2 QGSTR	12.9 2.708 2

Run Σ

```
anopheles g
drosophila
anopheles g
anopheles g
mus musculu
canis famil
                                                                                                                                                                                                                                                                                                                                                                                                                                      anopheles g
anopheles g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      drosophila
mus musculu
mus musculu
mus musculu
mus musculu
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          xenopus lae
xenopus tro
gallus gall
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   xenopus lae
drosophila
schistocerc
                                                       anopheles g
anopheles g
anopheles g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gallus gall
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cynops pyrr
anopheles g
               gallus gall
homo sapien
                                                                                                                                                                                                                                   anopheles g
anopheles g
                                                                                                                                                                                                                                                                                                                       anopheles g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    xenopus lae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             homo sapien
bos taurus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                homo sapien
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gallus gall
brachydanio
                                                                                                                                                                                                                                                                                                                                                                                 anopheles g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         xenopus lae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 brachydanio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nomo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          drosophila
rattus norv
                                                                                                                                                                                                                                                                                          drosophila
drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 xenopus lae
                                                                                                                                                                                         drosophila
                                             drosophila
                                                                                                     drosophila
                                                                                                                                drosophila
drosophila
                                                                                                                                                                                                                    drosophila
                                                                                                                                                                                                                                                             drosophila
                                                                                                                                                                                                                                                                                                                                                                                             drosophila
                                                                                                                                                                                                                                                                                                                                                                                                             drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                          drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             drosophila
                                                                                                                  drosophila
                                                                                                                                                                                                                                                                                                                                                   drosophila
                                                                                                                                                                                                                                                                                                                                                                  drosophila
                                                                                                                                                             anopheles
                                                                                                                                                                            anopheles
                                                                                                                                                                                                       anopheles
                                                                                                                                                                                                                                                                               anopheles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cynops
             09w6v1
08n440
07q154
07q1863
07q863
07q009
06inu3
06inu3
06inu3
07q864
07q864
07q864
07q864
07q867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0956 FW7
057577
057577
0970 FW7
0910 FW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  P36335
Q7kqt5
Q26475
Q92626
Q7psn2
Q97470
Q7qbsq
Q7qbsq
Q7qbsq
Q7qbsq
Q81zp8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q90ym2
O44924
Q7tn00
                                                                                                                                                                                                                                                                                          P91670
Q9VCT4
Q9VVCT4
Q6WPB3
Q6WPB3
Q9WB2
Q7PSSB
Q8WP58
Q8WP58
Q7PSS2
Q7QBC5
Q7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q9NKF5
Q9VP08
NCA2_MOUSE
NCA1_MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q8BQ96
Q8C4B2
Q8C4B2
NCA1 CHICK
Q89918
Q661V0
NCA1 RAT
NCA1 KALA
Q6PFK4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCA1_HUMAN
NCA1_BOVIN
073634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q6DJ83
Q08476
Q86X47
NCA2 XENLA
Q7KQT5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OBIZEB
CONT CHICK
O90YM2
O44924
O7TN00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   057577
               Q9W6V1
Q8N440
Q9VMN6
Q7Q154
Q7Q863
Q7Q0P8
                                                                                                                  Q6NNU3
Q9VLF0
Q9W4R3
Q7Q864
                                                                                                                                                                                        09VAR6
0708F3
09VMB2
070CH7
                                                                                                                                                                                                                                                               9VMV9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7QBA7
30U60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27QBV1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         333
2673
5636
846
1100
413
603
656.5
380.5
380.5
359.5
359.5
359.5
349.5
                                                                                                                                               348
346
341
338.5
                                                                                                                                                                                                                    333
328
318
312.5
308.5
308.5
308.5
308.5
300.5
300.5
                                                                                                                                                                                                                                                                                                                                                                                299
297.5
297.5
297.5
294.5
298.5
290.5
287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                287
285.5
285.5
284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          283.5
283.5
282.5
282.5
2282.5
279.5
277.5
277.5
277.5
276.5
276.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               275.5
273.5
273.5
272.5
272.5
270.5
270.5
269.5
 homo sapien
xenopus lae
gallus gall
homo sapien
homo sapien
bos taurus
rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gallus gall
gallus gall
homo sapien
gallus gall
rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mus musculu
mus musculu
m mus muscu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   homo sapien
mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gallus gall
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     mus musculu
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     brachydanio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        xenopus lae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mus musculu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     m mus muscu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rattus norv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gallus gall
gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gallus gall
                                                                                             3, 2005, 14:25:22 ; Search time 175 Seconds (without alignments) 1006.601 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                           344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                           .....RRAGCVWLLPLLVLHLLLKF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q8bg33
Q9p121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          090773
09173
09173
094915
094915
091892
091892
091892
091892
091892
091892
001893
001893
001893
001893
001893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q6g1z7
Q8b1k3
Q9w6v2
Q7z3b1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q920j8
Q80z24
Q8hw98
Q8bmt5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               099pj0
062718
                GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                1612378 seqs, 512079187 residues
                                                                                                                                                                                                                                                                                                                                                                  Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NTRI HUMAN
NTRI MOUSE
NTRI RAT
CEPU CHICK
057596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q9DGI5
Q6DFY2
OPCM_CHICK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q6B014
OPCM_HUMAN
OPCM_BOVIN
OPCM_RAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                002870
LAMP_CHICK
LAMP_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NEGR HUMAN
NEGR RAT
NEGR MOUSE
Q8HW98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOUSE
                                                                        protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LAMP RAT
Q6GLZ7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q7Z3W6
Q6GM08
                                                                                                                                                                            1806
1 MKTIQPKMHNSISWAIFTGL.
                                                                                                                                                                                                                      BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          002869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29W6<u>V</u>2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28BMT5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q8BG33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AMP
                                                                                                                                                                                                                                                                                                                                                                                                                                      1: uniprot_sprot:*
2: uniprot_trembl:*
                                                                                                                                                             US-09-978-544A-523
                                                                                                                                                                                                                                                                                                                       Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB
                                                                                                                                                                                                                                                                                                                                                                                                                             UniProt 03:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                      June
                                                                                                                                                                                                                                                                                                                                                                       Post-processing:
                                                                                                                                                              Title:
Perfect score:,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1665.5
1647.5
1639.5
1477.5
1427.5
1357.5
1306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1295.5
1276.5
1275.5
1270.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1266
1259
993.5
938.5
938.5
931.5
930.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 814
759
686.5
                                                                                                                                                                                                                      Scoring table:
                                                                           ī
                                                                           protein
                                                                                                                                                                                            Sequence:
                                                                                                                                                                                                                                                                Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                             Database
                                                                                                      no
::
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Š.
```

THIS PAGE BLANK (USPTO)

```
completed: June
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Job time : 51 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Search
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C;Genetics:
A;Gene: NCAM
C;Superfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu
C;Superfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu
C;Keywords: alternative splicing; brain; cell adhesion; duplication; heparin binding; si
F;1-19/Domain: signal sequence #status predicted <SIG>
F;20-858/Product: neural cell adhesion molecule, short domain form #status predicted <EXT>
F;21-558/Product: neural cell adhesion molecule, short domain form #status predicted <F;24-98/Domain: immunoglobulin homology <IMM1>
F;132-191/Domain: immunoglobulin homology <IMM2>
F;152-156/Region: heparin binding #status predicted
F;152-156/Region: heparin binding #status predicted
F;238-290/Domain: immunoglobulin homology <IMM4>
F;23-398/Domain: immunoglobulin homology <IMM4>
F;23-398/Domain: immunoglobulin homology <IMM4>
F;33-398/Domain: immunoglobulin homology <IMM4>
F;32-35-50/Domain: immunoglobulin homology <IMM4>
F;32-35-50/Domain: immunoglobulin homology <IMM4>
F;430-492/Domain: immunoglobulin homology <IMM4>
F;430-492/Domain: immunoglobulin homology <IMM4>
F;430-492/Domain: immunoglobulin homology <IMM4>
F;430-492/Domain: immunoglobulin homology <IMM5>
F;41-96/Domain: immunoglobulin homology <IMM5>
F;41-96/Domain: intracellular #status predicted <ITM7>
F;740-858/Domain: intracellular #status predicted <ITM7>
F;41-96,139-189,235-288,330-396,437-490/Disulfide bonds: #status predicted
F;222,316,348,434,460,489/Binding site: carbohydrate (Asn) (covalent) #status predicted
R; Small, S.J.; Akeson, R.
J. Cell Biol. 111, 2089-2096, 1990
J. Cell Biol. 111, 2089-2096, 1990
J. Title: Expression of the unique NCAM VASE exon is independently regulated in distinct A; Title: Expression of the unique NCAM VASE exon is independently regulated in distinct A; Reference number: A37795, MUID:9103620; PMID:1699951
A; Ascession: B37795
A; Molecule type: mRNA
A; Residues: 340-381 cSM2>
R; Small, S.J.; Haines, S.L.; Akeson, R.A.
R; Small, S.J.; Haines, S.L.; Akeson, R.A.
A; Title: Polypeptide variation in an N-CAM extracellular immunoglobulin-like fold is dev A; Reference number: 158136; MUID:90166485; PMID:2483093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: GB:M32611; NID:g205643; PIDN:AAA41679.1; PID:g205644 C;Comment: NCAM mediates cell-cell adhesion via homophilic binding with another NCAM mol C;Comment: Various forms of NCAM are produced by alternative splicing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               44 NVTVRQGESATLRCTIDN-RVTRVAWLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEI 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             222 NATANIGOSVILVCDADGFPEPTMSWIKDGEPIENEEE----DDEKHIFSDDSSE--LTI 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGR 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        276 RNVDKNDEAEYVCIAENKAGEQDASIHLKVFAKPKITYVENQTAMELEEQVTLTCEASGD 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---HISPKAVGFVSEDEYLEIQGITREQSG 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIPSITWRISTRNISSEEKASWTRPEKQETLDGHMVVRSHARVSS---LTLKSIQYTDAG 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYK 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :| |:||| | | || || 393 BYLEVQYAPKLQGPVAVYTWEGNQVNITCEVFAYPSATISWFR 451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DDKRLIEGK-KGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 858;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15.4%; Score 277.5; DB 1; 25.5%; Pred. No. 1.5e-12; iive 50; Mismatches 132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 25.5
Matches 75; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: DNA
A; Residues: 355-364 <RES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
```

```
Rixfied, P.A.; Sakaguchi, D.S.; Kintner, C.R.

Wireleic Acids Res. 17, 10321-10335, 1989

A;Title: Primary structure and developmental expression of a large cytoplasmic domain fo A;Reference number: 809600; MUID:90098871; PMID:2481269

A;Accession: 809600

A;Molecule type: mRNA

A;Redeatues: 1-1088 «KRI>
A;Rotession: 809600

A;Note: the authors translated the codon AAA for residue 970 as Leu

C;Comment: NCAM mediates cell-cell adhesion via homophilic binding with another NCAM mol

C;Comment: Several forms of NCAM are produced by alternative splicing.
                                                                                                                                                                                                                                                                                                  328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :: : | | | | | : | : | | | 389 -MQAMYFEVQYAPKI----RG----PVVVYTWEGNPVNITCEVFAHPRAAVTWFRDGQLLPS 441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             211 VVRRVKVTVNYPPYISEAKGTGVPV-----GQKGTLQCEASAVPSAEFQWYKDDKRLIE 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      163 PEPTVTW----RHISPKAV---GFVSEDEYLEIQGITRE-----QSGDYECSASNDVAAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         219 NATANMAESVVLSCDADGFPDPEISWLKKGEPIEDGEEK-----ISPNEDQSEMTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                44 NVTVRQGESATLRCTIDN-RVTRVÄMLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 15.4%; Score 277.5; DB 1; Length 1088; Best Local Similarity 27.9%; Pred. No. 2.1e-12; Matches 80; Conservative 49; Mismatches 121; Indels 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SNFSNIKIYSGPTSSSLEVNPDSENDFGNYNCTAINTIGHEFSEFIL 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GK-KGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML
```

3, 2005, 14:38:54

neural cell adhesion molecule long domain form precursor - African clawed finely ablternate names: NCAM-180
N;Contains: neural cell adhesion molecule, short domain form (NCAM-140)
C;Species: Xenopus laevis (African clawed frog)
C;Date: 31-Mar;1993 #sequence\_revision 31-Mar-1993 #text\_change 09-Jul-2004

us-09-978-544a-523.rpr

```
connectin/titin - chicken (fragment)
C;Species: Gallus gallus (chicken)
C;Species: Gallus gallus (chicken)
C;Descies: 11-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 09-Jul-2004
C;Accession: T42633
R;Yajima, H.; Ohtsuka, H.; Kawamura, Y.; Kume, H.; Murayama, T.; Abe, H.; Kimura, S.; Ma Blochen. Biophys. Res. Commun. 223, 160-164, 1998
A;Title: A 11.5-kb 5'-terminal cDNA sequence of chicken breast muscle connectin/titin re A;Reference number: Z22221; MUID:96254045; PMID:8660363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Residues: 1-4162 <YAJ>
A;Cross-references: UNIPROT:Q98918; EMBL:D83390; NID:g1513029; PIDN:BAA11908.1; PID:g151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NiAlternate names: NCAM-140
Cispecies: Rattus norvegicus (Norway rat)
Cipacies: 30-Sep-1991 #sequence revision 30-Sep-1991 #text_change 09-Jul-2004
CiAccession: S00846; B37795; IS8136
Rismall, S.J.; Shull, G.E.; Santoni, M.J.; Akeson, R.
Cell Biol. 105, 2335-2345, 1987
A;Title: Identification of a cDNA clone that contains the complete coding sequence for a A;Reference number: S00846; MUID:88059265; PMID:3680385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3856 LILECTYTGTPPISVTWKKNGVILKHSEKCSITTTETSAILEIPNSKLEDQGQXSCHIEN 3915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3916 DSGQDNCHGA-ITILEPPYFVTPLEPVQVTVGDSASLQCQVAGTPEMIVSWYKGDTKL-R 3973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TQYSI----EIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNN 152
256 QEDNEEKYSFNYDGSELIIKKVDKSDEAEYICIAENKAGEQDATIHLKVFAKPKITYVEN 315
                                                                                                                                              DVAAPVVRRVKVTVNYPPY-1SEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRLIE 264
                                                                                              DISINEGNNISLTCIATGRPEPTVTW----RHISPKAV---GFVSEDEYLEIQGITREQ-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       37 TFPKAMDNVTVRQGESATLRCTI-DNRVTRVAWLNRSTILYAGNDKWCLDPRVVLLSNTQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ---RHISPKAVGFVSEDEYLEIQGITREQSGDYECSASN
                                                                                                                                                                                                                                                                         ----SGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                             EPOWYKDDKRLIEGK-KGVKVENRPFLSKLIFPNVSEHDYGNYTCVASNKLGHTNASIML
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 4162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neural cell adhesion molecule short domain form precursor - rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3747 SFVKKPEPFNVLSGENITFTSIVKGSPPLEVKWFRGSIELAPGHK---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GTATVKMHFKNQVATLVFSQVDSDDSGEYICKVENTVGEATSSSLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 15.4%; Score 278.5; DB 2; Best Local Similarity 27.3%; Pred. No. 9.5e-12; Matches 78; Conservative 38; Mismatches 145;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A,Status: preliminary; translated from GB/EMBL/DDBJ
A,Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Cross-references: UNIPROT: P13596; EMBL: X06564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Experimental source: breast muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISLTCIATGRPEPTVTW----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C; Keywords: skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Molecule type: mRNA
A;Residues: 1-858 <SMA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Accession: S00846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              265
                                                                                              144
                                                                                                                                                                                                                                                                         196
                                                                                                                                                                                                                                                                                                                                                                                                                                                             252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      96
                                                                                                                                                                                    316
                                                                                     ò
                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Aymolecule type: protein

Cell: Biol. 118, 937-949, 1992

AyTitle: Identification of a peptide sequence involved in homophilic binding in the neur

Aymolecule type: MulD: 92363934; PMID: 1380002

Aymolecule type: MulD: 92363934; PMID: 1380002

Aymolecule type: MulD: 92363934; PMID: 1380002

Aymolecule: Aymolecule type: MulD: 92363934; PMID: 1380002

Aymolecule type: Aymolec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;Molecule type: protein
;Residues: 122-40,428-439,611-631;744-760;763-781;1080-1084 <HE2>
;Residues: 122-40,428-439,611-631;744-760;763-781;1080-1084 <HE2>
;Residues: 122-40,428-439,611-631;744-760;763-781;1080-1084 <HE2>
;Cell Biol. 103, 1431-1439, 1986
;Title: Cell surface modulation of the neural cell adhesion molecule resulting from alt ;Reference number: A46550; WUID:87033934; PMID:3771645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          712-729/Domain: transmembrane #status predicted <TWM>
710-109/Domain: intracellular #status predicted <INT>
710-1091/Domain: intracellular #status predicted <INT>
71-96,139-189,235-287,329-385,426-479/Disulfide bonds: #status predicted

2.225/Binding site: carbohydrate (Asn) (covalent) #status experimental
7315,347,423,449,478/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      region of the N-CAM gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           214 VRARQSTM-----NATANLSQSVTLACDADG-----FPEPTM-----TWTKDGEPIE 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ---IQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISS 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: DNA
A; Molecule type: 1.17 case and a second to 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31 VRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAGNDKWCLDPRVVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Accession: A44369
Molecule type: DNA
Residues: 1-17 <COF>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15.5%; Score 279.5; DB 1; Length 1091; 26.0%; Pred. No. 1.5e-12; ive 52; Mismatches 131; Indels 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fibronectin type III repeat homology <FN3A>
fibronectin type III repeat homology <FN3B>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.28-289/Domain: immunoglobulin homology <IRMN3>
526-271/Region: NCAM binding #steatus experimental
7.22-387/Domain: immunoglobulin homology <IRM4>
7.419-481/Domain: immunoglobulin homology <IRM4>
                                                                                                                                                                                                                                                                                                                                                         A Molecule type: DNA
A;Residues: 810-1070 <MUR>
A;Cross-terences: GB:X04479
B;Sasner, M; Covault, J.
submitted to the EMBL Data Library, Pebruary 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 15.5
Best Local Similarity 26.0
Matches 78; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91 LSNTQTQYSIE---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Reference number: S36950; Accession: S36950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   518-595/Domain:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F;624-685/Domain:
F;712-729/Domain:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

7;

```
A; Molecule type: mRNA
A; Residues: 128-1091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
A,Reference number: 800382; MUD:88283628; PMID:3396334
A,Accession: 803384
A,Molecule rype: DNA
A,Residue: 642-1115 < cana.
A,Residue: 104-1110 < cana.
A,Residue: 104-1110 < cana.
A,Residue: 104-1110 < cana.
A,Residue: 104-1110 < cana.
A,Residue: 104-1101 < can.
A,Residue:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F;712-729/Domain: transmembrane #status predicted <TMM>
F;730-1115/Domain: intracellular #status predicted <INT>
F;41-96,139-189,235-288,330-386,427-480/Disulfide bonds: #status predicted
F;222,316,348,424,450,479/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ----HISPKAVGFVSEDEYLEIQGITREQSGDYE 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDK 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    44 NVTVROGESATLRCTIDNRVTRVAWLNRSTILYAGNDKWCLDPRVV------LLSNTQ 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DSSEVTIRNVDKNDEAEAYVCIAENKAGEQDASIHLKVFAKPKITYVENQTAMELEEQVTL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NATANLGOSVTLVCDADG-----FPEPTM----SWTKDGEP1ENEEEDERSRSSVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96 TQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNNISL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RLIEGK-KGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15.7%; Score 283.5; DB 1; Length 325.8%; Pred. No. 7.7e-13; ive 45; Mismatches 130; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCIATGRPEPTVTWR---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 25.8
Matches 75, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
```

```
Debugs call adhesion molecule 1 - African clawed frog Nalternate names: N-CAM 1

Nalternate names: N-CAM 1

Species xenogues laevis (African clawed frog)

C; becession: JE0099

R; Mudo, M; Takayama, E; Tadakuma, T; Shiokawa, K.

R; Mudo, M; Takayama, E; Tadakuma, T; Shiokawa, K.

Biochem. Biophys. Res. Commun. 245, 127-132, 1998

A; Title: Molecular cloning of sad-form neural cell adhesion molecules (N-CAMs) as the ma A; Takeference number: JE0099; MUID:98204770; PMID:9535795

A; Accession: JE0099

A; Molecule type: mRNA

A; Residues: 1-725 < KUD>
A; Residues: 1-725 < KUD>
A; Residues: 1-725 < KUD>
A; Cross-references: UNIPROT:073633; DDBJ:AB008162; NID:93116226; FIDN:BAA25931.1; FID:93

A; Cross-references: dart
C; Comment: This protein mediates and regulates various cell-cell interactions through bo C; Superfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu F; 413-475/Domain: immunoglobulin homology < 18PR>
F; 512-589/Domain: fibronectin type III repeat. homology < 3FR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N;Alternate names: NCAM-180
N;Cortains: neural cell adhesion molecule, short domain form (NCAM-140)
C;Species: Gallus gallus (chicken)
C;Date: 31-Mar-1993 #sequence revision 31-Mar-1993 #text change 09-Jul-2004
C;Accession: A45613, BA5613; A25435; B25435; A46550; S36590; A44369; A60852; S29668
R;Cunningham, B.A.; Hemperly, J.J.; Murray, B.A.; Prediger, E.A.; Brackenbury, R.; Edelm
Science 236; 799-806, 1987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A,Title: Neural cell adhesion molecule: structure, immunoglobulin-like domains, cell sur A,Reference number: A43613; MUID:87206190; PMID:3576199
A,Accession: A43613
A,Molecule type: mRNA
A,Residues: 1-175 <CU2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A, Accession: A21,3 CUNS.
A, Accession: B44613
A, Molecule type: protein
A, Molecule type: protein
A, Molecule type: protein
A, Molecule type: protein
A, Mote: A61,120-127,202-221,320-342,399-415,640-659,822-828 CUNS
A, Mote: A64,120-127,202-221, B41,10-126 probably does not
B, Hemperly, J.J., Murray, B.A., Edelman, G.M., Cunningham, B.A.
B, More: Matl. Acad. Sci. U.S.A. 83, 3037-3041, 1986
A, Title: Sequence of a cDNA clone encoding the polysialic acid-rich and cytoplasmic doma
A, Reference number: A25435; MUID:86206089; PMID:3458261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   211 VVRRVKVTVNYPPYISEAKGTGVPV-----GQKGTLQCEASAVPSAEFQWYKDDKRLIE 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NATAKMAESVVLSCDADGFPDPEISWLKKGEPIEDGEEK------ISFNEDOSEMTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PEPTVTW----RHISPKAV---GFVSEDEYLEIQGITRE----QSGDYECSASNDVAAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 103 QNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NVTVRQGESATLRCTIDN-RVTRVAWLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 725;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   neural cell adhesion molecule long domain form precursor - chicken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SNFSNIKIYSGPTSSSLEVNPDSENDFGNYNCTAINTIGHEFSEFIL 488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GK-KGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 15.5%; Score 279.5; DB 2; Best Local Similarity 27.9%; Pred. No. 8.7e-13; Matches 80; Conservative 50; Mismatches 120;
```

A; Cross-references: GB:M13210

RESULT 11

11;

Wed

```
C; Comment: Several forms of NCAM are produced by alternative splicing. See also PIR: IJMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N;Alternate names: NCAM-180
N;Contains: neural cell adhesion molecule, short domain splice form (NCAM-140)
N;Contains: neural cell adhesion molecule, short domain splice form (NCAM-140)
C;Species: Mus musculus (house mouse)
C;Accession: A29673; S00844; S00384; A28281; A44290; S00383
C;Accession: A29673; S00844; S00384; A28281; A44290; C.; Ci, Chaix, J.C.; Hirsch, M.R.; Fontec EMBO J. 6, 907-914, 1987.
A;Title: Isolation and nucleotide sequence of mouse NCAM cDNA that codes for a Mr 79,000
A;Reference number: A29673; MUID:87246524; PMID:3595563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: mRNA
A; Residues: 1-548, "T', 550-571, "T', 573-574, "D', 576-588, "MOPS', 593, 'S', 595-599, "P', 601, "L'
A; Residues: 1-548, "T', 550-571, "T', 573-574, "D', 576-588, "MOPS', 593, 'S', 595-599, "P', 601, "L'
A; Cross-references: UNIPROT: P13595; EMBL: Y00051; NID: 953342; PIDN: CAA68263.1; PID: 953343
R; Santoni, M.J.; Barthels, D.; Barbas, J.A.; Hirsch, M.R.; Steinmetz, M.; Goridis, C.; W
Nucleic Acids Res. 15, 8621-8641, 1987
Nucleic Acids Res. 15, 8621-8641, 1987
A; Title: Analysis of cDNA clones that code for the transmembrane forms of the mouse neux
A; Reference number: S00844; MUID: 88067687; PMID: 3684567
                                                                                                                                                                          Aintrons: 701/1

Cisuperfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu cisuperfamily: neural cell adhesion molecule; fibronectin type III repeat homology; immu cisuperfamily: neural cell adhesion; duplication; heparin binding; membrane F;14-19/Domain: signal sequence #status predicted <SIG>
F;34-98/Domain: immunoglobulin homology <IMM1>
F;32-19/Domain: immunoglobulin homology <IMM2>
F;152-156/Region: heparin binding #status predicted
F;28-29/Domain: immunoglobulin homology <IMM3>
F;28-29/Domain: immunoglobulin homology <IMM4>
F;263-272/Region: NCAW binding #status predicted
F;323-388/Domain: immunoglobulin homology <IMM4>
F;219-36/Domain: immunoglobulin homology <IMM5>
F;219-36/Domain: fibronectin type III repeat homology <FN3B>
F;219-36/Domain: fibronectin type III repeat homology <FN3B>
F;41-96,139-189,235-288,330-386,427-480/Disulfide bonds: #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                F;41-96,139-189,235-288,330-386,427-480/Disulfide bonds: #status predicted
F;222,316,348,424,450,479/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBO J. 7, 625-632, 1988
A, Title: Differential splicing and alternative polyadenylation generates distinct NCAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NATANLGOSVTLVCDADG-----PPEPTM----SWTKDGEPIENEEEDERSRSSVS 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DSSEVTIRNVÖKNDEAEYVCIAENKAGEQDASIHLKVFAKPKITYVENQTAMELEEQVTL 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TCIATGRPEPTVTWR-------HISPKAVGFVSEDEYLEIQGITREQSGDYE 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              || |: | | |: : | | | : : : | | | : : : | | | CEASGDPIPSITWRISTRNISSEEQDLDGHMVVRSHARVSS---LTLKSIQYRDAGEYM 385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDK 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTASNTIGOD-SOSIDLEFQYAPKLQGPVAVYTWECNOVNITCEVFAYPSATISWFRDGQ 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGNNISL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cell adhesion molecule 1 precursor, long domain splice form - mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: mRNA
A;Residues: 529-509,1077-1115 <SAN>
A;Cross-references: EMBL:X06328; NID:953322; PIDN:CAA29641.1; PID:9817984
R;Barbas, J.A.; Chaix, J.C.; Steinmetz, M.; Goridis, C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RLIEGK-KGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIML 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15.7%; Score 283.5; DB 1; Length 725; 25.8%; Pred. No. 4.4e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            44 NVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAGNDKWCLDPRVV--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
nes 75; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Accession: A29673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A/Rolecule type: mRNA
A/Cosas-references: UNIPROT: P13594; EMBL: Y00051; NID:953342; PIDN: CAA68263.1; PID:953343
R/Barbas, J.A.; Chaix, J.C.; Steinmetz, M.; Goridis, C.
EMBO J. 7, 625-632, 1988
A/Title: Differential splicing and alternative polyadenylation generates distinct NCAM to A/Reference number: S00382
A/Rolecule type: DNA
A/References: EMBL: X0195
A/Ross-references: EMBL: X0195
A/Ross-references: EMBL: X0195
A/Ross-references: EMBL: X0195
A/Rolecule type: DNA
A/Reference number: A44290; MUID:86140120; PMID:3512556
A/Rolecule type: Drottin
A/Reference number: A44290
A/Rolecule type: Drottin
A/Reference number: NCAM mediates cell-cell adhesion via homophilic binding with another NCAM mol
                                                                                                                                                                          C;Accession: A31923
R;Seeger, M.A.; Haffley, L.; Kaufman, T.C.
Cell 55, S89-600, 1988
A;Title: Characterization of amalgam: a member of the immunoglobulin superfamily from Dz A;Reference number: A31923; MUID:89028670; PMID:3141062
A;Accession: A31923
A;Aolecule type: DNA
A;Residues: 1-333 <SEB>A;Residues: UNIPROT:P15364; GB:M23561; NID:g156920; PIDN:AAA28367.1; PID:g156921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Date: 31.Mar-1993 #sequence revision 31-Mar-1993 #text_change 09-Jul-2004
C;Accession: A29673; S00382; Ā44290
R;Barthels, D.; Santoni, M.J.; Wille, W.; Ruppert, C.; Chaix, J.C.; Hirsch, M.R.; Fontec Barthels, D.; Santoni, M.J.; Wille, W.; Ruppert, C.; Chaix, J.C.; Hirsch, M.R.; Fontec A;Title: Isolation and nucleotide sequence of mouse NCAM CDNA that codes for a Mr 79,000
A;Reference number: A29673; MUID:87246524; PMID:3595563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94 TQTQ---YSIEIQNVDVYDEGPYTCSVQTDNHPK-TSRVHLIVQVSPKIVE-ISSDISIN 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EGNNISLICIATGRPEPTVIWRH----ISPKAVGFVSEDEYLEIQGITREQSGDYECSAS 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             153 EGONLELTCHANGFPKPTISWAREHNAVMP-AGGHLLAEPTLRIRSVHRMDRGGYYCIAO 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NDVAAPVVRRVKVTVNYPPYIS-EAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRLI 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44 NVTVRQGESATLRCTIDN-RVTRVAWLNR-----STILYAGNDKWCLDPR--VVLLSN 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              neural cell adhesion molecule 1 precursor, GPI-anchored splice form - mouse N,Alternate names: NCAM-120
                                                nalgam protein precursor - fruit fly (Drosophila melanogaster)
'Species: Drosophila melanogaster
'Date: 18-Oct-1989 #sequence_revision 18-Oct-1989 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :| | :| | | | | | | : | | : | | : | | : | | : | | : | | : | | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SESTHHEVANTASSSGTTTSVLRIDSVGEEDFGDYYCNATNKLGHADARLHLF 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EGKKGVKVENR-----PFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLF 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 333;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43; Mismatches 136;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 297.5; DB 2
Pred. No. 1.5e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Cross-references: FlyBase: FBgn0000071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 29.73
Matches 87; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gene: FlyBase: Ama
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Accession: A29673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
```

```
RESULT
                              요
                                                                         ò
                                                                                                             셤
                                                                                                                                                  ò
                                                                                                                                                                                   Db
                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Species: Gallus gallus (chicken)
C;Species: Gallus gallus (chicken)
C;Species: O2-Sep-1997 #sequence_revision 05-Sep-1997 #text_change 09-Jul-2004
C;Accession: JC5519
R;Hancox, K.A.; Gooley, A.A.; Jeffrey, P.L.
Mol. Barin Res. 44, 2773-288; 1997
A;Title: AvGp50, a predominantly axonally expressed glycoprotein, is a member of the IgL
A;Reference number: JC5519; MUID:97225899; PMID:9073169
A;Title: AvGp50, a predominantly axonally expressed glycoprotein, is a member of the IgL
A;Residues: 1-338 *HAN
A;Residues: 1-338 *HAN
A;Residues: UNIPROT:002869
A;Experimental source: brain
C;Comment: This protein belongs to the IgLON's subfamily of cell adhesion molecules.
C;Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termin C;Comment: This protein melongs to redicted <SIG>F;32-338/Product: 50K glycoprotein #status predicted <MAT>F;1-11/Domain: signal sequence #status predicted <MAT>F;46-199/Domain: immunoglobulin homology <IMM1>F;146-199/Domain: immunoglobulin homology <IMM3>F;46-199/Domain: immunoglobulin homology <IMM3>F;46-199/Domain: immunoglobulin homology <IMM3>F;40-136,148,279,287,300,315/Binding site: carbohydrate (Asn) (covalent) #status predict
                                                                         amino-termin
                                                                                                                                                                     2
                                                                                                                                                                                                                                                                                  128
                                                                                                                                                                                                                                                                                                                                                                                                                                  247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       248
                                                                                                                                                                                                                                                                                                                                                         HLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       134
                                                                                                                                                                                                          68
                                                                                                                                                                                                                                             68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           74
                                                       PIDN:AAA40859.1;
tigen precursor a
                                                                                                                                                                                                                             LNRSTILYAGNDKWSIDPRVIILVNTPIQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                              EDKWSLDPRVELEKRSPLEYSLRIQKVDVYDEGSYTCSVQTQHHPKTSQVYLIVQVPPKI
                                                                                                                                                                                                        12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV
                                                                                                                                                                                                                                                                                                                                                                                                                                IOGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                       4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2,
               A;Molecule type: mRNA
A;Residues: 1-345 <1LIP>
A;Cross-references: UNIPROT:P32736; GB:M88710; NID:g203247; PIDN:A
C;Superfamily: carcinoembryonic antigen; carcinoembryonic antigen
C;Keywords: transmembrane protein
                                                                                                                                   Length 345;
                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ITLYGPGAVIDGVNSASRALACLWLSGTFFAHFFIKF 345
                                                                                                                             Query Match 69.7%; Score 1259; DB 2; I Best Local Similarity 71.2%; Pred. No. 2.6e-85; Matches 240; Conservative 34; Mismatches 59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51.9%; Score 936.5; DB 256.0%; Pred. No. 1.4e-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    55; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    182; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
A; Accession: JC1239
                                                                                                                                                                                                                                                                                69
                                                                                                                                                                                                                                                                                                                      69
                                                                                                                                                                                                                                                                                                                                                           129
                                                                                                                                                                                                                                                                                                                                                                                            129
                                                                                                                                                                                                                                                                                                                                                                                                                                188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                  엄
                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
```

```
C;Species: Homo sapiens (man)
C;Date: 10-May-1996 #sequence_revision 16-Aug-1996 #text_change 09-Jul-2004
C;Accession: JC4776
R;Pimenta, A.F.; Fischer, I.; Levitt, P.
Gene 170, 189-195, 1996
A;Title: CDNA cloning and structural analysis of the human limbic-system-associated memb A;Reference number: JC4776; MUID:96235133; PMID:8666243
A;Accession: JC4776
A;Molecule type: mRNA
A;Residues: 1-338 <PLIMA
A;Residues: UNIPROT:Q13449; GB:U41901; NID:g1276898; PIDN:AAC50569.1; PID:g12768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Experimental source: brain
C; Comment: This is a neuronal surface glycoprotein distributed in cortical and subcontic
C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A Generilamp

S. Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termin

C; Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termin

C; Superfamily: signal sequence #status predicted <SIG>

F; 13-7/Domain: signal sequence #status predicted <SIG>

F; 213-238/Region: hydrophobic

F; 40,66,136,148,279,287,300,315/Binding site: carbohydrate (Asn) (covalent) #status predicted

F; 42,115,142,164,171,220,231/Binding site: phosphate (Thr) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          138
                        SNISSDITVNEGSNVTLVCMANGRPEPVITWRHLTPTGKEFEGEEEYLEILGITREOSGK 194
                                                                                                                               DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                     134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         259 DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74
VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIOGITREOSGD
                                                                                                    YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SNISSDVIVNEGSNVTLVCMANGRPEPVITWRHLTPTGREFEGEEFLEILGITREQSGK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 LRLLCLLPTGLPVRSVD--FNRGTDNITVRQGDTAILRCVLEDKNSKVAWLNRSGIIFAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     199 YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51.6%; Score 931.5; DB 2; 55.4%; Pred. No. 3.3e-61; ive 60; Mismatches 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 limbic-system-associated membrane protein precursor
                                                                                                                                                                                                                                                                                                                                               VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 55.4%
Matches 180; Conservative
                                                                                                                                                                                                                                                                                                              319
                                                                                                                                                                                                                                                                                                                                                                  313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            255
139
                                                135
                                                                                                                                                       195
                                                                                                                                                                                                                                                              255
                                                                                                      199
                                                                                                                                                                                                          259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                314
```

```
188
                                                                                                                        248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 311
                                          ò
                                                                               g
                                                                                                                      ò
                                                                                                                                                       셤
                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                    ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 3
JC4025
optioid-binding cell adhesion protein - human
C;Species: Homo sapiens (man)
C;Date: 13-Jun-1995 #sequence_revision 14-Jul-1995 #text_change 09-Jul-2004
R;Shark, K.B.; Lee, N.M.
Gene 155, 213-317, 1995
A;Title: Cloning, sequencing and localization to chromosome 11 of a cDNA encoding a huma
A;Recentere number: JC4025; MUID:95237612; PMID:7721093
A;Accession: JC4025
A;Molecule type: mRNA
A;Residues: 1-345 *cMAA
A;Residues: 1-345 *cMAA
A;Residues: UNIPROT:014982; GB:L34774; NID:9514373; PIDN:AAA36387.1; PID:9514374
A;Resperimental source: brain
C;Comment: This protein binds opioid alkaloids in the presence of acidic lipids, exhibit
C;Generics:
A;Gene: GDB:OPCML; OBCAM; OPCM
A;Cross-references: GDB:251677; OMIM:600632
A;Map position: llpter-llqter
C;Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termin
A;Molecule type: max.
A;Residues: 1-338 <LIP>
A;Cross-references: UNIPROT:P32736; GB:M88709; NID:g203245; PIDN:AMAR.CCCC.
A;Experimental source: brain
C;Genetics:
A;Gene: OBCAM
C;Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termin
C;Superfamily: Carcinoembryonic antigen; Carcinoembryonic antigen precursor amino-termin
C;Superfamily: Carcinoembryonic antigen; Carcinoembryonic antigen precursor amino-termin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2
                                                                                                                                                                                                                                                                                                                                          61 WINRSTILYAGNDKWSIDPRVIILVNTPTQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSR 120
                                                                                                                                                                                                                                                                                                                                                                                                                        246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241 AVPMAEFQWFKEDTRLATGLDGVRIENKGRISTLTFFNVSEKDYGNYTCVATNKLGNTNA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WINRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSR 127
                                                                                                                                                                                                                                                                                                                                                                                                    VHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYL 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AVPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNA 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRV 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HLIVOVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYLE 187
                                                                                                                                                                                                                                                                 EIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEAS
                                                                                                                                                                                                                                        8 MHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 ISWAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4,
                                                                                                                                                                                                      1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 345;
                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        || |: || || | : | | SITLYGPGAVIDGVNSASRALACLWLSGTFFAHFFIKF 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SIMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26;
                                                                                                                                                                                                      90;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             70.2%; Score 1268; DB 2; 71.2%; Pred. No. 5.7e-86;
                                                                                                                                                           Query Match 71.2%; Score 1285.5; DB Best Local Similarity 71.6%; Pred. No. 2.8e-87; Matches 242; Conservative 35; Mismatches 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 240; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             247
                                                                                                                                                                                                                                                                                                                      68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      69
                                                                                                                                                                                                                                                                                                                                                                                                  128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    129
                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             유
                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
```

```
opioid-binding protein OPCAM precursor - bovine (Species: Bos primigenius taurus (cattle) (5pecies: Bos primigenius taurus (cattle) (5pecies: Bos primigenius taurus (cattle) (5pecies: 04-Dec-1992 #sequence_revision 04-Dec-1992 #text_change 09-Jul-2004 (5pacession: 803199, #sequence_revision 04-Dec-1992 #text_change 09-Jul-2004 (5pacession: 803199, #sequence number: Solley (5pacession: 803199; MUID:89251576; PMID:2721489 (5paceular characterization of a new immunoglobulin superfamily protein with por A;Reference number: 803199; MUID:89251576; PMID:2721489 (5paceular characterization) (5pace
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A.Cross-references: UNIPROT:P11834; EMBL:X12672; NID:9585; PIDN:CAA31192.1; PID:9586 C.Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termir C.Superfamily: carcinoembryonic antigen; carcinoembryonic antigen precursor amino-termir C.Superfamily: carcinoembryonic antigen precursor amino-termir F.1-27/Domain: signal sequence #status predicted <SIG>F.1-27/Domain: signal sequence #status predicted <SIG>F.28-345/Product: opioid-binding protein OPCAM #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                opioid-binding protein (clones SG8 and SG13) - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 03-May-1994 #sequence_revision 03-May-1994 #text_change 09-Jul-2004
C;Accession: JC1239
R;Lippman, D.A.; Lee, N.M.; Loh, H.H.
Rene 117, 249-254, 1992
A;Title: Opioid-binding cell adhesion molecule (OBCAM)-related clones from a rat brain c
A;Reference number: JC1238; MUID:92347701; PMID:1339369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2
                                                                                                                                                                                                                                                                                                                                                                                               307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           249 VPMAEFQWFXEETRLATGLDGMRIENKGRMSTLIFFNVSEKDYGNYTCVATNKLGNTNAS 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     71 RSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHL 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              129 HLIVQVPPQIMNISSDITVNEGSSVTLLCLAIGRPEPTVTWRHLSVKEGQGFVSEDEYLE 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          131 IVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPK-AVGFVSEDEYLEIQ 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVP 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIM 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       251 MAEFOWFKEDTRLATGLDGMRIENKGHISTLTFFNVSEKDYGNYTCVATNKLGITNASIT 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   70
                                                                                                                                                                                               189 ISDIKRDQSGEYECSALNDVAAPDVRKVKITVNYPPYISKAKNTGVSVGQKGILSCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 WKCLVVVSLRLIFLVPTGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDDRVTRVAMLN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                71 RSTILYAGNDKWSIDPRVIILVNTPTQYSIMIQNVDVYDEGPYTCSVQTDNHPKTSRVHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DIKRDQSGEYECSALNDVAAPDVRKVKITVNYPPYISKAKNTGVSVGQKGILSCEASAVP
                                                                                                                                                                                                                                                                                                                                                                                               VPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNAS
                                                                                                                                         IQGITREOSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14 WAIFTGLAALCLF---QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 345;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 70.1%; Score 1266; DB 2; Length 3 Best Local Similarity 71.6%; Pred. No. 8e-86; Matches 240; Conservative 34; Mismatches 57; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      308 IMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:||||| : | | | : || ISBARALACLWLSGTLFAHFFIKF
```

polyketide synthas	hypothetical prote	cell surface glyco	probable peptidoql	complement recepto	thyroglobulin prec	CDA peptide synthe	probable non-ribos	hypothetical prote	bacitracin synthet	cyclosporin synthe	Ig kappa chain pre	T-cell receptor be	hypothetical prote	Ig kappa chain - h	Ig kappa chain V r	Ig kappa chain V r	Ig kappa chain pre	hypothetical prote	T-cell receptor al	Ig heavy chain pre	hypothetical prote	cytotoxic T-lympho	transcription regu	Ig Kappa chain pre	conserved hypothet	probable cialispoic	secretory nathway	oligonentide trans	consorred himothet	S-adenosylmethion;	bynothetical prote	hypothetical prote	peptidoglycan synt	UDPdalactopyranose	conserved hypothet	F5114.10 [imported	hypothetical prote	hypothetical prote	glycoprotein G pre	flagellar hook-ass	probable sodium-tr	interleukin-6 rece	Carboxy] -terminal	serine-type D-Ala-	hypothetical prote	hypothetical prote	serine-type D-Ala-	hypothetical prote	nypotnetical prote	2-isopropylmalate	conserved hypothet	acetyl-CoA synthet	hypothetical prote	hypothetical prote	invasin-like prote	protein-glutamine	exoribonuclease K	Firin (FC 3 4 31 7	hypothetical prote	tro asp repeat pro	methylenetetrahydr	nuclear protein HI	hypothetical prote	hypothetical prote	beta-galactosidase	hypothetical prote	hypothetical prote	
2 н87203																																																																				
1540	1592	1797	2013	2014	2767	3670	4342	5105	9	15281	115	115	115	128	128	128	131	133	139	148	197	223	422	0 44 0	200	7 C C		91.6	200	77.7	0 K	326	350	368	375	397	400	404	405	429	431	440	460	4 4 4 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7	476	478	482	501	503	515	522	642	646	629	099	695	784	700	927	922	946	1015	1032	1035	1036	1057	1081	
4.	4. <	4	4.	4	4	4.	4,	4	4.	4	۳	т М	ω.	ω.	ω.	m	m	m	т М	e e	m							. ~		, "	, u	'n			m	'n	m	ω.	m	m.	m (	m r		, w	. n	θ,	<u>ښ</u>	m i		'n	m	'n	Ю	m	m i	m		· ·	· ~	im			m	m.	ω.	m.	m.	
71.5	-i -	; ;	; ;;	-	<u>.</u>	ί.	ij.	ij.	i.	ij	71	71	71	71	71	71	71	71	71	71	77	71	7,	77	7.5	7,1	1.5	7.7	1.6	1,1	1.1	7.1	71	71	71	71	71	71	71	71	71	17	1,5	7.7	71	71	71	71	7 7	7.7	71	7.1	71	71	71	71	17	1,5	1,1	71	71	71	7.1	7.1	71	71	71	
1417	<del>,</del> ,	1420	2 2	42	242	42	42	42	42	42	42	43	43	43	43	43	43	43	43	43	43	4.4	4.4	4,	* *	* *	1 4	4 4	, 4	4 4	1 4 1 4	5 5	1 4	1 4	i &	45	45	5	5	45	46	4. 4 6 1	9 4	4 4	46	46	46	40	10	, 4	47	47	47	47	47	7	4 4	7 0	0 0	48	48	48	48	48	48	48	48	

ы
pr
۲.
м
•
n
S
S
ï
æ
4
7.
4
S
- 1
œ
7
Ō
1
ல்
ö
Ø
3

hypothetical prote nuclear pore prote probable membrane cation efflux syst Acr family transpotote specificity phypothetical prote probable pyrolysin pyructe (flavodox structural polyprohypothetical picte hypothetical picte	tilamin, Muller ce toxin-like outer m hypothetical prote polyketide synthas Ig kappa chain V r Ig heavy chain V r Ig heavy chain V r Ig kappa chain pre myelin Po protein FP31 protein - fow hypothetical prote cystathionine beta hypothetical prote probable oligopept hypothetical prote gamma-2 chain C hypothetical prote probable uroporphy dropglucose synthesi hypothetical prote myosh-binding pro adenylyl cyclase-a hexon protein - hu polymerase-associa gly/serol-3-phospha glpp gene homolog adenylyl cyclase-a hypothetical prote glutamine-fructose glutamine-fructose penicillin-binding phosphoribosylerm glutamine-tRNA lig transposable eleme hypothetical prote protein F1504.39 [ hypothetical prote protein F1504.39 [ hypothetical prote hypothetical prote protein F1504.39 [ hypothetical prote protein T06A10.1 [ hypothetical prote probable nuclear e CRAG protein - fen	family at prot
72 4.0 992 2 7 7 7 4.0 1006 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1355 72 4.0 2654 2 33124 1361 72 4.0 2567 2 449551 1362 71.5 4.0 19 2 11502 1364 71.5 4.0 19 2 11502 1365 71.5 4.0 12 2 64931 1365 71.5 4.0 12 2 64931 1366 71.5 4.0 225 2 71023 1367 71.5 4.0 225 2 71023 1368 71.5 4.0 225 2 71023 1371 71.5 4.0 225 2 71023 1372 71.5 4.0 275 2 14902 1373 71.5 4.0 275 2 14902 1374 71.5 4.0 275 2 14902 1375 71.5 4.0 301 2 14902 1376 71.5 4.0 301 2 14902 1377 71.5 4.0 301 2 14902 1377 71.5 4.0 301 2 14902 1378 71.5 4.0 301 2 14902 1378 71.5 4.0 301 2 14902 1379 71.5 4.0 301 2 14902 1380 71.5 4.0 301 2 14902 1381 71.5 4.0 361 2 74842 1382 71.5 4.0 361 2 74842 1384 71.5 4.0 507 2 74912 1385 71.5 4.0 507 2 74912 1386 71.5 4.0 507 2 74912 1397 71.5 4.0 668 2 744118 1398 71.5 4.0 668 2 74494 1399 71.5 4.0 668 2 74949 1399 71.5 4.0 668 2 74949 1401 71.5 4.0 668 2 74949 1401 71.5 4.0 0502 1402 71.5 4.0 0774 1401 71.5 4.0 0775 2 74949 1401 71.5 4.0 0775 2 74949 1402 71.5 4.0 0776 2 74949 1403 71.5 4.0 0776 2 74949 1404 71.5 4.0 0776 2 74949 1407 71.5 4.0 0776 2 74949 1408 71.5 4.0 0776 2 74949 1409 71.5 4.0 0776 2 74949 1400 71.5 4.0 0776 2 74949 1400 71.5 4.0 0776 2 74949 1401 71.5 4.0 0776 2 74949 1401 71.5 4.0 0776 2 74949 1402 71.5 4.0 0776 2 74949 1403 71.5 4.0 0776 2 74949 1404 71.5 4.0 0776 2 74949 1407 71.5 4.0 0776 2 74949 1408 71.5 4.0 0776 2 74949 1409 71.5 4.0 0776 2 74949 1400 71.5 4.0 0776 2 74949 1411 71.5 4.0 1031 2 74644 1411 71.5 4.0 1031 2 74944 1411 71.5 4.0 1031 2 74944	71.5 4.0 1526 2
conserved hypothet probable heat-shoc RNA-directed RNA phypothetical prote E-cadherin precurs hypothetical prote uncharacterized co hypothetical prote receptor protein-thypothetical prote hypothetical prote hypothetical prote	hypothetical prote polymorphic outer polymorphic membra aggregation protei guanine nucleotide dextransucrase [EC carbamoyl-phosphat hypothetical prote hypothetical prote hypothetical prote immunoglobulin Alphage-related prote ankyrin 2, neurona BIR repeat contain Ig kappa chain pre T-cell receptor be Ig kappa chain pre Ig beavy chain pre Ig beavy chain pre Ig beavy chain pre Ig beavy chain pre Ig heavy chain pre Ig heavy chain pre Ig probable probable probable probable the family secret sarcosine reductas hypothetical prote modification methy hypothetical prote Ig mu chain C regi probable polygalac glyd gene homolog related to RCCI printlewin I recep hypothetical prote DNA mismatch repaid Ig mu chain precur by mypothetical prote Iarge T antigen I arge T antigen I arg	Bome cal
.5 4.0 676 2 .5 4.0 736 2 .5 4.0 887 1 .5 4.0 887 1 .5 4.0 954 2 .5 4.0 954 2 .5 4.0 1039 2 .5 4.0 1039 2 .5 4.0 1039 2	72.5 4.0 1228 2 192581/ 72.5 4.0 1229 2 172591/ 72.5 4.0 1229 2 172591/ 72.5 4.0 1206 2 826524 (1905)/ 72.5 4.0 1200 1 176 2 826524 (1905)/ 72.5 4.0 1560 1 170931/ 72.5 4.0 1560 1 170931/ 72.5 4.0 1560 1 170931/ 72.5 4.0 1560 2 725908 (1905)/ 72.5 4.0 1560 1 170931/ 72.5 4.0 1560 1 170931/ 72.5 4.0 1924 2 83431/ 72.6 4.0 131 2 184904 (1906)/ 72.7 4.0 148 2 184004 (1906)/ 72.7 4.0 148 2 184004 (1906)/ 72.7 4.0 148 2 184004 (1906)/ 72.7 4.0 148 2 186004 (1906)/ 72.7 4.0 425 2 1702039 (1906)/ 72.7 4.0 425 2 1702039 (1906)/ 72.7 4.0 41 2 170004 (1906)/ 72.7 4.0 570 2 176591 (1906)/ 72.7 4.0 570 2 176591 (1906)/ 72.7 4.0 570 2 176591 (1906)/ 72.7 4.0 657 2 176591 (1906)/ 72.7 4.0 657 2 175891 (1906)/ 72.7 4.0 657 2 175296 (1906)/ 72.7 4.0 657 2 175296 (1906)/ 72.7 4.0 657 2 175299 (1906)/ 72.8 6600/ 72.8	4.0 892 2 4.0 984 2

conserved hypothet gene Tt52 protein ATP dependent RNA serine proteinase probable serine protein laccase-like protei laccase-like protei probable cell surf hypothetical prote glycine-tRNA ligas AcMNY orf21 - Bom protochlorophyllid hypothetical protein protochlorophyllid hypothetical secretion general secretion general secretion	outer capsid prote lipoxygenase (EC 1 lipoxygenase (EC 1 lipoxygenase ALLOX lipoxygenase ALLOX lipoxygenase ALLOX lipoxygenase (EC 1 hypothetical prote hypothetical prote ABC transport prot Salivary agglutini hypothetical prote conserved hypothetical prote genome polyprotein fibrillin 2 precur genome polyprotein fibrillin 2 precur genome polyprotein hypothetical prote hypothetical prote hypothetical prote hypothetical prote	In Reppa chain - h Ig kappa chain - h Ig kappa chain - h Ig kappa chain v Ig heavy chain pre Ig heavy chain var hypothetical prote hypothetical prote hypothetical prote hypothetical prote Ig kappa chain - m Fc gamma (IgG) rec outer capsid spike	adenine specific m hypothetical prote hypothetical prote trehalose 6-phosph hypothetical prote probable ABC trans hypothetical prote adenosylmethicnine hypothetical prote Ig mu chain C regi Ig gamma-2b chain serine-type carbox protein containing oligopeptide ABC hypothetical prote appartic proteinas flagellar M-ring p hypothetical prote
09 09 09 09 09 09 09 00 00 00 00 00 00 0	A45098 112142 112142 102391 567283 567283 56630 1124061 1124061 112888 112888 112888 112888 112888 112888 112888 112888 112888 112888 112888 112888 112888 112888	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11007 11007
	A A A A A A A A A A A A A A A A A A A		
	7771 7771 7771 7771 7771 7771 7771 777	111126 11126 1126 1221 1226 1236 1336 13	
	, a a a a a a a a a a a a a a a a a a a		
		222222222222222 222222222222222222 22222	20000000000000000000000000000000000000
11199 12099 12000 12000 12000 12110 12111 12111	1222 1222 1222 1222 1222 1222 1223 1223	111224 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10000000000000000000000000000000000000
membrane protein y hypothetical prote TonB-dependent rec probable helicase hypothetical prote host specificity p protein-tyrosine k probable host spec pregnancy zone pro pregnancy zone pro probable ppsE prot DNA segregation AT IgA-specific metal genome polyprotein phosphotidylinosit keratinocyte growt Ig light chain V r Ig heary. An ig heary.	Ig heavy chain v 1 Ig heavy chain v 1 Ig heavy chain v r Ig kappa chain pre glutaminyl-peptide Ig V-region-like B Ig V-region-l	5' nucleotidase [i probable beta-adap ComEC/Recz family 3-hydroxyacyl-CoA cellulase (EC 3.2. polymorphic membra Igheavy chain - c cell wall-associat protein F2D10.24 [ phosphoprotein pho hypothetical prote hypothetical prote galactose binding epidermal growth f alpha-1 proteinase hypothetical prote breast cancer tumo Igheavy chain V6	Ig kappa chain pre Ig kappa chain pre T-cell receptor al T-cell receptor al Ig kappa chain pre T-cell receptor al Ig kappa chain pre T-cell receptor be hypothetical prote Ig lambda chain - sulfate-binding pr hypothetical prote serine-type D-Ala- Ig mu chain C regi Ig protessome reg hypothetical prote hypothetical prote hypothetical prote L2 protein - human
74 4.1 879 2 2 4.1 908 2 4.1 908 2 4.1 908 2 4.1 108 5 2 4.1 108 5 2 4.1 108 5 2 4.1 108 5 2 4.1 108 5 2 4.1 108 5 2 4.1 108 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	73.5 4.1 119 2 PHI518 73.5 4.1 119 2 PHI518 73.5 4.1 140 2 PHI493 73.5 4.1 140 2 PHI493 73.5 4.1 209 2 A20969 73.5 4.1 309 2 T09564 73.5 4.1 309 2 T28138 73.5 4.1 366 2 AE0497 73.5 4.1 366 2 AE0497 73.5 4.1 400 2 T22853 73.5 4.1 400 2 T22853	5 4 1 1 128 5 5 4 1 1 128 5 5 4 1 1 128 5 5 5 4 1 1 128 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
11126 11126 11127 11133 11133 11133 11133 11133 11140	11111111111111111111111111111111111111	11165 11165 11166 11170 11171 11172 11173	11180 111881 111881 111884 111886 111886 111891 111991 111992

hypothetical prote hypothetical prote hypothetical prote hypothetical prote polymerase - Berne splicing factor PR hypothetical prote Ig heavy chain pre Ig heavy chain V r Ig heavy chain V r Ig heavy chain V r	ig lambda chair transcription regues alleBL protein pre- galLBL protein or diam chain C regit dnaw protein - Mychypothetical protein - Mychypothetical protein - Mychypothetical protein bypothetical protein bypothetical protein bypothetical protein protein Y48A6B.11 conserved hypothetical protein protein Y48A6B.11 conserved hypothetical protein probable membrane protein	7 C
75 4.2 1311 2 75 4.2 1313 2 75 4.2 1661 2 75 4.2 1661 2 75 4.2 2291 2 75 4.2 2291 2 75 4.2 2291 2 74.5 4.1 119 2 74.5 4.1 119 2 74.5 4.1 119 2 74.5 4.1 119 2		74 4.1 755 2 74 4.1 876 2
chain V r chain V r chain V r gromoting promoting chain pr chain pr chain pr chain pr chain pr cal prote - atcline cal prote cal prote - atcline	hetical processors and and activations and activation in activation activat	hypothetical prote DNA-directed DNA p   112
22 22 22 22 22 22 22 22 22 22 22 22 22	4.2 2 398 2 746475 4.2 2 569 2 746462 4.2 2 584 2 84444 4.2 588 2 844444 4.2 2 641 1 2 64436 4.2 2 641 1 2 64444 4.2 2 713 1 ALBSG7 4.2 2 713 1 ALBSG7 4.2 2 713 1 AAC 2435 4.2 2 746 2 8647314 4.2 106 8 2 8647314 4.2 108 8 2 8647314 4.2 108 8 2 8647314 4.2 108 8 2 8647314 4.2 108 8 2 8647314 4.3 108 8 2 8647314 4.4 2 108 8 2 8647314 4.5 108 8 2 8647314 4.5 108 8 2 8647314 4.6 2 867314 4.7 2 108 8 2 8647314 4.7 2 108 8 2 8647314 4.8 2 108 8 2 8647314 4.9 2 108 8 2 8647314 4.0 2 108 8 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	.2 780 2 .2 1242 1
27 27 27 27 27 27 27 27 27 27	999 999 999 999 999 999 999 999	050

T-cell receptor al Ig alpha chain C r thiamin biosynthes 3-oxosyl-[acyl-ca] IMP dehydrogenase dihydrolipoamide S hypothetical prote probable sodium-tr T-cell surface gly hypothetical prote hypothetical prote hypothetical prote	hypothetical prote levanase homolog y intercellular adhe hypothetical prote hemagglutinin-neur protein F09B12.1 [ hypothetical prote fructanase - Bacte probable host spec conserved hypothet probable exported	hypothetical prote probable host spec hypothetical prote hypothetical prote valy1-tRNA synthet protein F2 - Strep protein-tyrosine k hypothetical prote probable membrane autolysin [importe hypothetical prote tsh protein - Esch probable membrane fibronectin precur fibronectin precur	ig light chain v r ig kappa chain v r ig kappa chain v r ig light chain v r ig kappa chain pre ig kappa chain pre ig kappa chain pre T-cell receptor de probable membrane conserved hypothet 2'-hydroxydihydrod ig gamma-2 chain C hypothetical prote probable polygalac tapasin 1 homolog, probable sodium-tr ig mu chain C regi	pyruvate dehydroge protein R77F5.17 [ nicotinic acetylch probable seed store cAMP-responsive el clathrin binding p 2', 3'-cyclic-nucle env polyprotein pr C protein apha an DNA-directed DNA phypothetical prote probable DNA-direc 1gA-specific metal hypothetical prote anti-D-dimer monoc Ig kappa chain pre Ig kappa chain pre Ig kappa chain pre lig kappa chain pre
76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5	76.5 4.2 515 2 76.5 4.2 516 2 76.5 4.2 528 2 76.5 4.2 548 2 76.5 4.2 543 2 76.5 4.2 573 2 76.5 4.2 573 2 76.5 4.2 573 2 76.5 4.2 652 2 76.5 4.2 653 2 76.5 4.2 653 2	76.5 4.2 749 2 76.5 4.2 775 2 76.5 4.2 896 2 76.5 4.2 1039 2 76.5 4.2 1124 1 76.5 4.2 1124 1 76.5 4.2 1124 2 76.5 4.2 1131 2 76.5 4.2 1151 2 76.5 4.2 1363 2	76 4.2 107 2 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2 2 108 2	960 76 4.2 473 2 H83676 961 76 4.2 501 2 E96509 962 76 4.2 501 2 E96509 963 76 4.2 511 2 E84685 964 76 4.2 516 2 A4494 965 76 4.2 516 2 A4494 965 76 4.2 1020 2 A46405 967 76 4.2 1020 2 A46405 969 76 4.2 1151 2 A46405 970 76 4.2 1151 2 A46405 971 76 4.2 1156 2 A46405 972 76 4.2 1156 2 A46405 973 76 4.2 1166 2 A47662 974 75.5 4.2 114 2 A6076 975 75.5 4.2 114 2 A6076 977 75.5 4.2 113 2 S09259 978 75.5 4.2 131 2 S09259
thioredoxin-disulf Ig gamma 1 chain c MHC class I histoc amino-acid N-acety hypothetical prote conserved hypothet asparaginyl-tRNA s hypothetical prote hypothetical prote hypothetical prote mutator-like trans probable flagelin	probable structural probable outer mem hypothetical prote protein tyrosine k alpha-glucosidase genome polyprotein large repetitive p polycystic kidney Ig heavy chain V r Ig heavy chain V r hypothetical prote hypothetical prote	hypothetical prote hemagglutinin prec hypothetical prote 19 gamma-2a chain asparagine tRNA sy asparagine tRNA sy asparagine tRNA sy transcription fact immunodominant typ phosphonoacetaldeh probable polyketid internalin protein hypothetical prote probable membrane envelope protein h	env polyprotein pr cell differentiati hypothetical prote probable membrane 4-alpha-glucanotra uncharacterized pr protein H19M22.1 [ hypothetical prote breast cancer susc breast cancer tusc chast cancer tusc filamentous hemagg ig kappa chain V r ig kappa chain v r ig kappa chain pre hypothetical prote lg gamma 3 chain c ig alpha chain c	probable polygalac probable peptidogl probable peptidogl protein B0244.2 [i ribonuclasse [impo adenylate cyclase hypothetical prote hypothetical prote protein F557.7c [ ACT domain contein H-exporting ATPas surface-layer 125K guanine nucleotide chondroitin sulfat Ig kappa chain pre Ig kappa chain pre Ig gamma chain (WM Ig lambda chain pr T-cell surface gly arginine-tRNA-prot
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	78 4.3 980 2 78 4.3 1016 2 78 4.3 1038 1 78 4.3 1138 1 78 4.3 22185 1 78 72 2 78 73 2 78 78 78 78 78 78 78 78 78 78 78 78 78 7	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	.55	77 4.3 384 2 E84871 77 4.3 439 2 ABL251 77 4.3 614 2 F86745 77 4.3 817 2 F86745 77 4.3 879 2 AC2089 77 4.3 879 2 G87739 77 4.3 879 2 C867739 77 4.3 1076 2 C86958 77 4.3 1076 2 C86958 77 4.3 1076 2 A87749 77 4.3 1076 2 A87749 77 4.3 1076 2 A87749 77 4.3 2488 2 T42739 76.5 4.2 136 2 A47171 76.5 4.2 136 2 A47171 76.5 4.2 236 2 A47171

pyruvate dehydroge pyruvate dehydroge interleukin-6 rece Ig mu chain - Lepi immunodominant typ apical membrane an endoglin precursor dipeptidyl-peptida Na+/K+-exchanging	enteropeptidase (E hypothetical prote hypothetical prote collagen adhesin - protein-tyrosine-p hypothetical prote Ig kappa chain v r Ig lambda chain v r Ig lambda chain - cystathionine beta endoglucanase fami polygalacturonase hypothetical prote	T-cell surface gly probable ATP-depen Ig gamma-2b chain colicin I receptor semaphorin III fam DNA gyrase chain B proteinase [import hypothetical prote probable pyrolysin RNA polymerase bet hypothetical prote ig kappa chain v Ig Ll Chain V regi Ig heavy chain v Ig licht chain v r	arylamine N-acetyl DNA repair protein Exanscription elon protein R03D7.4 [i flagellar hook-ass flagellar hook-ass flagellar protein DNPOtherical prote gadd34 protein - 1 phosphoribosylamin methylmalonyl-CoA penicillin-binding heat shock protein ABC transporter at polyphosphate kina TonB-dependent rec parasporal crystal	probable cell divi hypothetical prote msh0 protein - vib protein C18C10.5a protein C18C10.5a protein-tyrosine-p vitellogenin II pr probable RTX famil hypothetical prote heregulin isoform Ig kappa chain pre Ig light chain vr T-cell receptor al hypothetical prote Ig light chain vr T-cell receptor al
			2 XX5575 2 XX5575 2 UJ0155 2 UJ0155 2 S72430 2 S72430 2 S72430 2 A44441 2 A46440 2 A44441 2 A4665 2 S54689 1 A48665 2 S64617 2 S6617 2 S6617 2 S6617 2 B90520 2 B90520 2 B90530 2 B90838	
290 306 468 474 522 558 653 766	1036 11156 11156 11185 1420 1101 1231 1231 148 1387 103	432 450 474 659 7539 11175 1439 1111 1111 115 115 115	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1019 1217 1252 1385 1385 1391 1687 1687 1687 1251 131 131 131 132 132 132 132 132 132 13
				· · · · · · · · · · · · · · · · · · ·
2. 97 2. 97 2. 97 2. 97 2. 97 2. 97	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	79 79 79 79 79 79 78 78 78 78 78 78	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2887 2887 2887 2887 2887 2887 2887 2887
760 761 762 763 765 765 767	769 771 772 774 775 776 777 778 779 779	785 785 786 787 789 790 791 792 793	796 799 799 800 800 800 800 801 811 811 811 811 811	816 817 819 819 820 821 824 824 827 828 828 839 831
colicin I receptor hypothetical prote killer cell inhibi hypothetical prote protein-tyrosine k hypothetical prote glucosyltransferas Ig kappa chain V r Ig light chain . s	T-call surface gly ST2V protein - hum hypothetical prote protein F2566.2 [i pullulanase - Ther hypothetical prote ly kappa chain pre myelin/oligodendro hemagglutinin prec hemagglutinin prec cellular hepatitis oligopeptide ABC t	Ig mu chain C regi acetolactate synth hypothetical prote Ig alpha chain - c subtilisin-type pr DnaK protein PA476 ribonuclease [impo probable glycoprot hypothetical prote Conserved hypothet Ig gamma 4 chain c hypothetical prote UDP-glucose 4-epim subs. related conse	obparagine-tRNA li 4-coumarate-CoA li probable portal pr ABC transporter AT hypothetical prote probable membrane polymorphic membra plasmid replicatio killer toxin insen dextransucrase (EC chitinase (EC 3.2. protein-tyrosine-p probable ppsB prot dynein beta heavy T-cell receptor al fibroblast growth Ig lambda chain - FealphaRb - human IgA (FC) receptor,	hypothetical prote SH3-domain binding adenylosuccinate s Ig mu chain C regi secreted protein c probable Nil prote probable membrane integrin beta-3 ch hypothetical prote embryo kinase 5 -, hypothetical prote breast cancer susc telokin - rabbit hypothetical prote breast cancer susc telokin - rabbit hypothetical prote Lyt-2.1 lymphocyte IgE FC receptor al
4.5 663 1 4.5 8820 2 4.5 8821 2 4.5 1122 2 4.5 1122 2 4.5 1577 2 4.5 1577 2 4.5 1577 2	4.5 4.5 4.5 4.5 4.5 1183 2.5 4.5 1983 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 4.5 2.3 2.3 4.5 2.3 2.3 4.5 2.3 2.3 4.5 2.3 2.3 4.5 4.5 2.3 4.5 2.3 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	44444444444444444444444444444444444444	0.5 4.5 466 254 0.5 4.5 4.5 466 254 0.5 4.5 517 2 887644 0.5 4.5 517 2 887644 0.5 4.5 613 2 741565 0.5 4.5 1128 1 708312 0.5 4.5 1128 1 708312 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.5 4.5 11349 2 551471 0.6 4.4 150 2 740865 0.7 4.4 150 2 740865 0.8 4.4 150 2 740865 0.9 4.4 233 2 151383 0.9 4.4 239 2 700332	44444444444444444444444444444444444444
ω α σ	<b>a</b> a a a a a a	<b>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</b>	7255 7255 800 7276 800 7276 800 7330 800 800 800 800 800 800 800	

hypothetical prote adenomatous polypo acetyl-CoA carboxy MEGF1 protein - ra OX-45 membrane gly leukocyte antigen Fc gamma-l/gamma-2 hypothetical prote asparagine-ERNA li hypothetical prote	Probable bitunction hypothetical prote hypothetical prote 1g kappa chain pretumor suppressor conserved hypothet antigen BCM: precu T-cell surface gly hypothetical prote killer cell inhibi	vasoactive intesti S-protein secretio hypothetical prote protein-tyrosine-p high-molecular-wei high-molecular-wei T-cell receptor de 1g kappa chain V r betas fructofuranos hemagglutinin prec ST2 protein huma	Ig heavy chain v r cytochrome P450 CV sucrase-6-phosphat hypothetical prote cspB protein - Clo acid trehalase hom hypothetical protein Ig gamma-1 heavy c 19 gamma-1 heavy c 19 protein - vari hemagglutinin prec ATP-dependent 26S interleukin-1 rece conserved hypothet transketolase [imp killer cell inhibi	hypothetical protein hypothetical protein hypothetical protein genome polyprotein hercz protein — mo fibroblast growth cytolytic trigger Ig kappa chain (WM p53 specific singly T-cell surface gly hemagglutinin — va probable secreted Ig upsilon chain - hypothetical proteir anslation initia hypothetical proteil g kappa chain pre	Ig lambda chain - Ig lambda chain - Ig lambda chain - Fc-gamma receptor B-cell-restricted hemagglutinin - va K9R protein - vari glycoprotein A - t glycoprotein A - t hypothetical prote
85 85 87 87 87 87 87 84 84 84 84 84 84 84 84 84 84	84.5 4.7 897 2 84.5 4.7 1133 2 84.5 8.4 7 1133 2 8.4 8.7 1133 2 8.4 8.7 162 2 8.4 4.7 126 2 8.4 4.7 246 2 8.4 4.7 2 8.4 4.	84 4.7 495 2 84 4.7 737 2 84 4.7 1472 2 84 4.7 1477 2 84 4.7 1536 2 83.5 4.6 134 2 83.5 4.6 328 2 83.5 4.6 328 2	83.5 84.6 83.5 84.6 85.5	661 83 4.6 167 2 \$41479 662 83 4.6 1014 2 \$414179 663 83 4.6 1034 2 \$12359 664 83 4.6 1033 2 \$12359 665 82.5 4.6 125 2 \$45436 667 82.5 4.6 125 2 \$2593 668 82.5 4.6 197 2 \$2593 670 82.5 4.6 247 1 \$RWNST2 671 82.5 4.6 247 1 \$RWNST2 671 82.5 4.6 429 2 \$13688 673 82.5 4.6 433 2 \$13436 674 82.5 4.6 410 2 \$125262 675 82.5 4.6 410 2 \$125262 676 82.5 4.6 610 2 \$125262 677 82.5 4.6 103 2 \$14830 677 82.5 4.6 1553 2 \$14830	82 4.5 225 2 82 82 4.5 82 82 82 82 82 82 82 82 82 82 82 82 82
Fc-gamma receptor T-cell surface gly KIR (cl-2) NK rece interleukin-1 rece virulence associat env polyprotein pr hypothetical prote DNA-binding protei T-cell receptor al IgE receptor alpha Fc gamma (IgG) rec	microfibril-associ protein-tyrosine k protein-tyrosine-p basigin type II - GP42/Basigin prote basigin precursor basigin type III - IG epsilon chain C beta-galactosidase	protein-tyrosine-p gene B7-2 protein hypothetical prote seretory componen internalin protein hypothetical prote hypothetical prote Fc gamma (IgG) rec B-lymphocyte activ ggal protein - Asp	probable tpr prote undecaprenyl-PP-Mu hypothetical prote asparagine-tRNA li S-layer protein pr protein-tyrosine k probable polykeiid Ig kappa chain - m OX-2 membrane glyc hypothetical prote polygalacturonase polygalacturonase polygalacturonase KIR (cl-1) NK rec glycoprotein A pre	glycoprotein A pre glycoprotein A pre glycoprotein gp57- hypothetical prote beta-fructofuranos env polyprotein pr IgA-specific serin peptidoglycan link pregnancy-specific cardiac C-protein purH bifunctional secretory componen HIV-1 retropepsin HIV-1 retropepsin HIV-1 retropepsin lysine-specific cy hypothetical prote	killer cell inhibi platelet glycoprot platelet glycoprot platelet glycoprot platelet glycoprot titin, muscle hypothetical prote eae protein (enter protein-tyrosine-p
296 2 296 2 200 444 2 201 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1362 2 1342 1 159 257 2 2 271 2 2 273 2	1452 1 1952 1 1909 2 1309 2 1311 2 1416 2 1416 2 161 2 18 328 2 18	8.8 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	4.8 501 1 VGBENA 4.8 501 1 VGBENA 4.8 502 1 VGBENH 4.8 580 2 A96683 4.8 580 2 A96683 4.8 1394 2 S60762 4.8 1711 2 AB1283 4.7 475 2 A64954 4.7 593 1 DTCHPH 4.7 593 1 ORHUGS 4.7 1145 1 GNLJEV 4.7 1146 1 GNLJEV	.7 635 2 .7 753 2 .7 788 2 .7 788 2 .7 817 2 .7 817 2 .7 939 2

probable polygalac intercellular adhe intercellular adhe hypothetical prote intercellular adhe chitinase (EC 3.2. protein unc-52 [im Ly-9.2 antigen - m Ig lambda-like cha type-specific anti intercellular adhe	intercellular adne secretory componen titin - rabbit (fr heparin-binding fi basigin precursor 95K nonspecific cr deacethylase/dipep hypothetical prote B-lymphocyte activ hypothetical prote pregnancy specific	Ig heavy chain, se carcinoembryonic a Ig mu chain C regilig mu chain C regilig mu chain C regilinterleukin-1 recentral surface glycocall surface glycotaratocarcinoma glycotarcinoma glycotarcin	herve growth ractor large repetitive p pregnancy-specific D9R protein - vari cartilage intermed hypothetical prote protein-tyrosine-p kinase-related pro 1g gamma 2a chain polymeric immunogl hypothetical prote arcinoembryonic a B2OR protein - var hypothetical prote hypothetical prote hypothetical prote	Fo-gamma RIIIB-alp CD80 precursor - r hypothetical prote titin - rabbit (fr IG lambda chain NI hypothetical prote translation elonga interleukin 1 rece hypothetical prote IG gamma 2b chain vasoactive intesti intercellular adhe hypothetical prote IG kappa chain - A hypothetical prote interleukin 1 rece interleukin 1 rece interleukin 1 rece interleukin 1 rece killer cell inhibi butyrophilin homol hypothetical prote IG samma (IGG) rec
100 5.5 395 2 100 5.5 531 2 100 5.5 531 2 2 100 5.5 531 2 2 100 5.5 537 2 2 100 5.5 5.5 537 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 2 100 2 100 2 2	98 5.4 754 98 9.4 754 98 9.7 5 5.4 1000 97 5 5.4 172 97 5.4 172 97 5.4 172 96.5 5.3 3.64 96.5 5.3 3.4 473	96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 97.5	95. 95. 95. 95. 95. 95. 95. 95. 95. 95.	520         93         5.1         144         2         B40098           521         93         5.1         267         2         156110           522         93         5.1         299         2         146690           524         93         5.1         299         2         13433           526         92.5         5.1         213         2         173433           526         92.5         5.1         213         2         16694           527         92.5         5.1         213         2         16844           527         92.5         5.1         213         2         16247           528         92.5         5.1         298         2         164247           529         5.1         298         2         164247           530         92.5         5.1         200         2         164247           531         92.5         5.1         120         2         147160         2           531         92.5         5.1         455         2         140341         2           532         91.5         5.1         455         2         1403
Fc gamma (IgG) rec intercellular adhe 165K protein, skel poliovirus recepto cell surface glyco SHP substrate-1 pr protein dim-1 (imp c-kit-related kina protein H05009.1 ( hypothetical prote	ig mu chain precur immunoglobulin-lik pregnancy-specific poliovirus recepto poliovirus recepto lymphocyte antigen pregnancy-specific hypothetical prote interleukin-1 rece fibroblast growth SHP substrate-1 pr	fec gamma (IgG) rec fasciclin II prec unc-5 protein - Ca probable invasin [ probable invasin [ probable invasin Z hypothetical prote hypothetical prote biliary glycoprote Ig heavy chain pre intercellular adhetitin - rat (fragm Fc gamma receptor poliovirus recepto alpha-1-B-glycopro pregnancy - Epolicic C Gamma (Inc.)	rc gamma (196) rec myosin-binding pro Fit-1S protein pre Ig mu chain C regi hypotherical prote interleukin-1 beta hypotherical prote hypotherical prote leukocyte activati B16R protein - vac hypotherical prote pregnancy-specific B15R protein precu butyrophilin - mou	PRR2 delta - human hypothetical prote neurotrophic receptor al FC gamma (196) rec leukocyte surface surface antigen pr PRR2 alpha - human hypothetical prote CD86 spliced varia B7-2 antigen - hum hypothetical prote neurotrophic receptor surface antigen pr sembrania protein CM-2 membrane glyc Ight chain pre protein C18F3.3 [i
HH00H000000	000000000000	000000000000000000000000000000000000000	00 H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	538 2 168093 543 2 168093 257 2 500682 257 2 500682 336 2 148471 351 1 5AVZVV 478 2 1253960 275 2 715568 275 2 715777 329 1 A48754 525 2 716777 937 2 74626 458 1 KWHUT4 751 2 74626 751 2 74626 751 2 74626 751 2 74626 751 2 74626 751 2 74626 751 2 74626 752 2 752000

pregnancy-specific pregnancy-specific fibroblast growth novel callular prospecific skelemin - mouse pregnancy-specific heregulin precurso pregnancy-specific brain-derived neur myosin_light.chain	neu differentiatio heregulin precurso neu differentiatio neu differentiatio heregulin precurso neu differentiatio heregulin, splice neu differentiatio biliary glycoprote ErbB kinase activa pregnancy-specific coxsackte- and ade brain-derived neur brain-derived neur	brain-derived neur brain-derived neur 165K myofibrillar glycoprotein (impo fibroblast growth c-mer tyrosine kin myosin-binding pro pregnancy-specific heparin-binding fit projectin - fruit fibroblast growth novel antigen rece titin - rabbit (fr neuronal leucine- fibroblast growth Erbs kinase activa Brbs kinase activa	cardiac myosin-bya cardiac myosin-bya pregnancy-specific pregnancy-specific interleukin-1 rece protein-tyrosine k myosin-binding C-p neurotrophin-3 rec protein-tyrosine k calcium vector pro hypothetical prote Fc gamma (196) rec hypothetical prote hypothetical prote hypothetical prote hypothetical prote protein-tyrosine k protein-tyrosine-p pregnancy-specific fibroblast growth unc-5 protein, lon myosin-binding pro Fc gamma (196) rec
124 6.9 436 2 124 6.9 495 2 124 6.9 690 1 124 6.9 999 2 123 5 6.8 402 2 123 6.8 351 2 123 6.8 876 1 123 6.8 876 1	122.5 6.8 230 2 122.5 6.8 241 2 122.5 6.8 636 2 122.5 6.8 637 2 122.5 6.8 645 2 122.5 6.8 645 2 122.5 6.8 662 2 122.5 6.8 862 2 122.5 6.8 7 332 2 121.5 6.7 345 1 121.5 6.7 474 1 121.5 6.7 520 1	121.5 6.7 1450 2 121.5 6.7 1450 2 121 6.7 1450 2 121 6.7 132 2 121 6.7 133 2 120 6.7 142 2 120.5 6.7 1742 2 120.5 6.7 1742 2 120.5 6.6 684 2 119.5 6.6 6805 2 119.5 6.6 6805 2 119 6.6 860 2	364 119 6.6 1274 2 555050 365 119 6.6 1274 2 555050 367 117.5 6.5 182 2 183354 370 117.5 6.5 569 2 A36587 371 117.5 6.5 569 2 A36587 372 117 6.5 894 1 A41527 373 117 6.5 894 1 A41527 374 116.5 6.5 243 2 A37982 375 116.5 6.5 282 2 T17219 376 116.5 6.5 282 2 T17219 377 116.5 6.5 282 2 T17219 378 116.5 6.5 293 2 T16774 379 116 6.4 253 2 T16774 380 116 6.4 268 2 T25355 381 115.5 6.4 942 2 A36873 382 115.5 6.4 942 2 S2351 383 115.5 6.4 942 2 S2351 384 115.5 6.4 942 2 S2351 385 115.5 6.4 942 2 S2351 386 116 6.3 326 2 A37821 387 115 6.4 166 2 A33402 388 114.5 6.3 326 2 C36464 390 114 6.3 326 2 A35894 391 114 6.3 373 2 T8MOT4 391 114 6.3 373 2 A3689 393 113.5 6.4 942 2 S2351 394 13.5 6.4 942 2 S2351 395 114 6.3 326 2 A35894 397 114 6.3 373 2 A35894 397 113.5 6.3 A35894
		pregnancy-specific pregnancy-specific s-gioerin precurso protein-tyrosine k platelet-derived g fibroblast growth keratinocyte growt platelet-derived g connectin 1 - chic platelet-derived g Fc gamma (196) rec fibroblast growth pregnancy-specific fibroblast growth pregnancy-specific fibroblast growth preceptor tyrosine hymorhatical and pregnancy-specific fibroblast growth preceptor tyrosine	nypourture recepto poliovirus recepto poliovirus recepto platelet-derived g heparin-binding gr fibroblast growth glial growth facto protein-tyrosine k Ig mu chain - shee protein-tyrosine k brain-derived neur brain-derived neur projectin-tyrosine k brain-derived neur projectin-tyrosine k brain-derived neur projectin- mou hypothetical prote biliary glycoprote poliovirus recepto putrophilin precu protein-tyrosine k biliary glycoprote protein-tyrosine k biliary glycoprote protein-tyrosine k biliary glycoprote protein-tyrosine k fibroblast growth
137 7.6 282 2 137 7.6 424 2 137 7.6 458 2 137 7.6 519 2 137 7.6 524 2 136.5 7.6 822 2 135.5 7.5 822 2 135.5 7.5 822 2 135.5 7.5 922 2 135.5 7.5 922 2 134.5 7.4 419	134.5 7.4 428 2 134.5 7.4 428 2 134.5 7.4 647 0 134.5 7.4 647 0 134 7.4 647 0 134 7.4 647 0 134 7.4 647 0 133 7.4 888 2 133 7.4 888 2 133 7.4 612 2	132.5 7.3 275 2 132.5 7.3 275 2 132.5 7.3 284 2 131.5 7.3 1048 2 131.5 7.3 480 2 131.5 7.3 480 2 131 7.3 480 2 131 7.3 106 1 130.5 7.2 323 2 130.5 7.2 323 2 129.5 7.2 409 2 129.5 7.2 1040 2	293 129 7.1 100 120 120 120 120 120 120 120 120 12

macrophage colony- hypothetical prote carcinoembryonic a protein-tyrosine k protein-tyrosine k fibroblast growth fibroblast growth keratinocyte growt vascular cell adhe	protein-tyrosine-p pregnancy-specific protein-tyrosine-p DM-GRASP precursor adhesion molecule protein-tyrosine-p	protein-tyrosine-p probable advanced pregnancy-specific hypothetical prote pregnancy-specific tyrosine kinase C platelet-derived g platelet-derived g vascular cell adhe fibroblast growth leukocyte antigen- macrophage colony-	protein-tyrosine-p protein-tyrosine-p hypothetical prote hypothetical prote Schwann cell myeli soluble vacular e neuromusculin - fr pregnancy-specific pregnancy-specific vascular cell adhe protein-tyrosine k pregnancy-specific pregnancy-specific pregnancy-specific pregnancy-specific	hypothetical prote hypothetical prote hypothetical prote fibroblast growth fibroblast growth pregnancy-specific fibroblast growth protein-tyrosine k platelet-derived g fibroblast growth heparin-binding gr fibroblast growth protein-tyrosine k protein-tyrosine k protein-tyrosine k	pregnancy-specific pregnancy-specific pregnancy-specific pregnancy-specific pregnancy-specific pregnancy-specific fibroblast growth protein C18P3.2 [i hypothetical prote hemolin - cecropia pregnancy-specific presency specific pregnancy-specific presency specific pregnancy-specific presency specific pregnancy-specific receptor tyrosine
151 8.4 976 1 151 8.4 1287 2 150.5 8.3 349 2 150.5 8.3 1298 2 150 8 8.3 759 2 150 8 8 822 2 149.5 8 3 739 2	149.5 8.3 1863.2 149 8.3 1863.2 149 8.3 1894.2 148.5 8.2 587.2 148.5 8.2 1907.2 147.5 8.2 876.2	147.5 8.2 1499 2 147 8.1 406 2 146.5 8.1 408 2 146 8.1 428 2 146 8.1 1088 1 146 8.1 1089 1 145.5 8.1 739 2 145.5 8.1 1898 2 145.5 8.1 1898 2 145.5 8.1 1898 2	144.5 8.0 1262 144.5 8.0 1496 143.5 7.9 13055 143 7.9 620 143 7.9 687 142 7.9 687 142.5 7.9 326 142.5 7.9 739 142.5 7.9 739 142.5 7.9 739 142.5 7.9 739	141.5 7.8 789 2 141.5 7.8 1227 2 141.5 7.8 1355 2 141 7.8 821 1 140.5 7.8 705 2 140.5 7.8 705 2 140.5 7.8 821 1 140.5 7.8 823 2 140.7 7.8 800 2 140 7.8 800 2 140 7.8 800 2 140 7.8 801 2 140 7.8 801 2	232 139.5 7.7 395 2 D43354 234 139.5 7.7 417 2 A28277 234 139.5 7.7 419 2 A31135 235 139.5 7.7 419 2 A31135 236 139.5 7.7 419 2 A31135 236 139.5 7.7 426 2 A35964 237 139.5 7.7 824 2 S36439 240 139 7.7 824 2 S36439 241 139 7.7 824 2 S36439 242 138.5 7.7 426 2 B33258 242 138.5 7.7 426 2 B33258 244 138.5 7.7 426 2 B33258 245 138.5 7.7 426 2 B33258 246 137.5 7.6 419 2 B54312 247 137.5 7.6 419 2 B54312 248 137.5 7.6 1379 2 JC4954
connectin/titin - hypothetical prote hypothetical prote tractin - medicina carcinoembryonic a B-cell adhesion pr protein-tyrosine k transmembrane carc biliary glycoprote neural cell adhesi	fibroblast growth irregular chiasm C fibroblast growth embryonic receptor receptor tyrosine protein unc-52 [im neurolin - goldfis	sialoadhesin - mou fibroblast growth fibroblast growth protein-tyrosine k vascular cell adhe cell surface glyco hypothetical prote fibroblast growth fibroblast growth sdk protein - frui alcam - human	Lutheran blood gro hypothetical prote peroxidasin - frui biliary glycoprote biliary glycoprote biliary glycoprote biliary glycoprote B-CAM protein - hu hypothetical prote macrophage colony- heparin-binding gr fibroblast growth probable protein-t brotein unc-22 [im	twitchin [similari hypotherical prote fibroblast growth fibroblast growth protein.tyrosine k junctional adhesio advanced glycosyla macrophage colonyhypotherical prote protein.tyrosine k myosin-binding pro biliary glycoprote biliary glycoprote biliary glycoprote	biliary glycoprote protein-tyrosine k protein-tyrosine k acetylcholine rece leukcyte antigen- vascular endotheli surface glycoprote protein-tyrosine-p probable tumor sup cell-adhesion mole neurotrophin-3 rec fibroblast growth protein-tyrosine k myosin-binding pro nonspecific cross- glial growth facto
9.6 1021 9.6 264 2 9.6 976 2 9.6 1880 2 9.5 1380 2 9.5 1338 2 9.5 1338 2 9.5 1347 2 9.5 1348 2	9.9.4.4.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	67.5 9.3 1694 2 167 9.2 816 2 167 9.2 816 2 65.5 9.2 838 2 65.5 9.2 646 2 165 9.1 584 2	9.1 9.0 9.0 15318 2 9.0 15318 2 9.0 321 2 9.0 411 2 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	8.9 6839 2 8.7 4821 2 8.7 4941 1 8.7 4941 1 8.7 4941 1 8.6 7160 2 8.6 7160 2 8.6 7160 2 8.6 1138 2 8.6 458 1 8.6 658 1	155 8.6 521 2 534338 155 8.6 1363 2 158375 154.5 8.6 1367 2 A45769 154.5 8.6 1897 1 TDHULK 154 8.5 1348 2 A51656 153 8.5 1348 2 A51656 153 8.5 1348 2 A51656 152.5 8.4 267 8 A5178 152.5 8.4 267 8 2 533969 152.6 8.4 458 2 533969 152 8.4 803 1 TVCHFG 152 8.4 800 1 JC4166 152 8.4 1123 2 536846 151.5 8.4 344 2 A27681 151.5 8.4 344 2 A27681

neuronal cell surf

S18252 T16525 A34695 T34416 A46512 A39712

T29757 A38096 149883 A708851 A58532 A32579 A32579 T14160 T25750 A41054 I48696

A53449 I58164 I50600 T42405 A47299

T37190 JH0371 A54100

us-09-978-544a-523.rpr

```
1906
11272
11273
11274
11209
11209
11268
11268
11268
11268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             932
1265
1259
1173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   192.5
192.5
192.5
189.5
189.5
188.5
186.5
186.5
186.5
241.5
240.240
240.232.5
232.5
230.5
227.5
227.5
226.225
221.5
                                                                                                                                                                                             220.5
219.5
218.5
218.5
218.5
214.5
211.5
211.5
211.5
208.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       198
197.5
197
196
195
195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  194.5
193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                182.5
182.5
182
181.5
181.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         178.5
178
177.5
177
 opioid-binding pro
opioid-binding cel
opioid-binding pro
opioid-binding pro
50K glycoprotein p
limbic-system-asso
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mallom process and the state of the state of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transient axonal g
contactin 1 precur
contactin precurso
axonin 1 precursor
neural adhesion pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         connectin 3B - chi
neural cell adhesi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            contactin precurso
elastic titin - hu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               prote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hemicentin precurs
                                                                                                                                            (without alignments)
1323,943 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neurotrimin - rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                  344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hypothetical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                               1806
1 MKTIQPKWHNSISWAIFTGL.....RRAGCVWLLPLLVLHLLLKF
                                                                                                                        ; Search time 25 Seconds
                  GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                            hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                         283416 segs, 96216763 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         summaries
                                                                                     - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            156551
JC1238
JC4025
JC1239
JC5519
JC5519
JC4776
A31923
IJMSNG
IJMSNG
IJMSNL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               142633
1JRTNC
1JRUNC
1JHUNG
1JHUNG
JE0100
PN0568
JN0635
S01998
120992
143290
                                                                                                                        June 3, 2005, 14:22:01
                                                                                                                                                                                                                                                                                      Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500
                                                                                                                                                                                                US-09-978-544A-523
                                                                                                                                                                                                                                                                                                                                                                                               seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11115
725
1001
1001
1088
853
761
1092
11092
11092
11092
11018
11018
                                 Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PIR 79:*
1: pir1:*
2: pir2:*
3: pir3:*
                                                                                                                                                                                                                                                                       BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
Match 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N L L N N 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40 L
                                                                                                                                                                                                                                                                                                                                                            oŧ
                                                                                                                                                                                             Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1268
1266
1259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   936.5
9936.5
9931.5
2283.5
2283.5
2279.5
2277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
277.5
                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                            Total number
                                                                                                                                                                                                                                                                                                                                                                                              Minimum DB
Maximum DB
                                                                                       OM protein
                                                                                                                                                                                                                                    Seguence:
                                                                                                                                                                                                                                                                                                                           Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Result
                                                                                                                        Run
```

heparan sulfate pr hypothetical prote axonal glycoprotein C122 homolog/B lym Kinase-like protein Kinase-like precursor differentiation an Down syndrome cell fasaciclin II precu glail cell membran meuroglian - fruit protein-tyrosine k transmembrane rece hypothetical protein ra neogenin - chicken sax-3 protein - cra neogenin - chicken fasciclin II protein - ra neogenin - chicken sax-3 protein - chic frazzled gene prot neural cell adhesi protein-tyrosine k plasmacytoma-assoc BIG-1 protein - chic frazzled gene prot neural cell adhesi neural cell adhesi neural cell adhesi protein-tyrosine-p protein-tyrosine-p protein-tyrosine-p protein-tyrosine-p protein-tyrosine mole cell adhesion prote myelin-associated myelin-associated myelin-associated myelin-associated myelin-associated neural cell adhesi neural cell adhesi hypothetical prote hypothetical prote hypothetical prote hypothetical prote kidangas kidangas protein-in-fill hypothetical prote hypothetical prote

> T13823 T30532 TDFFLK

S05479 A39640 T03096 C42632 S36126 T25893 T03097 I61596 A36319 T14316 I51669 T43027 T23007 T33434 I60598 A61084 B33785 I48950

T30581 I78875 838579

T13078

THIS PAGE BLANK (USPTO)

Sequence 376, App Sequence 1102, Ap Sequence 1267, Ap Sequence 5013, Ap Sequence 18, Appl	Sequence 23, Appl Sequence 23, Appl Sequence 23, Appl Sequence 2, Appli Sequence 5, Appli Sequence 154, App Sequence 156, App Sequence 200, App Sequence 200, App	Sequence 290, App Sequence 290, App
ääääää	15 17 17 17 17 18 18	
*	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	224 12.4 1059 224 12.4 1059
1056 1057 1058 1059 1060	1066 1066 1066 1066 1066 1069	1141 1142 11443 11145 11146 11147 11149 11150 11150

Search completed: June 3, 2005, 14:53:32 Job time : 164 secs

quence 1 quence 1 quence 1		quence 1	-	~ ~	N			an .				•					o	equence	ø	ednence	ednence	equence	edneuce	ednemce	Sequence 13. Appl	Sequence 25, Appl	Sequence 178, App	Sequence 180, App	Sequence 204, App	Sequence 11, Appl	Sequence 172, App	Sequence 174, App	Sequence 203, App	Sequence 3, Appli	Sequence 19, Appl	Sequence 28, Appl	Sequence 29, Appl	Φ (	edneuce	ednence	ednence	equence	φ	equence	ance	900	edneuce	suce	equence	equence	ence	equence	ednence	quence	Sequence 3/7, App Sequence 1103, Ap
US-09-905-129-11 US-09-905-129-14 US-09-991-630-11 US-09-991-630-14	5 US-10-454-35 5 US-10-454-35	1.1	US-09-905-129	US-09-991-630 5 US-10-454-35	US-09-991-630-24	)-454-351  -852-335	US-10-454-351-32	Sn	US-10-369-493-63	US-10-032-189	US-10-120-80	US-10-016-283-1	US-10-231-95	US-10-/41-600-110	US-10-435-75	US-10-016-28	US-10-435-75	US-10-435-751-2	US-10-435-751	US-10-435-751-2	US-10-435-751-9	US-10-435-751-23	US-10-435-/51-15	US-10-435-751-1	US-10-435-751-20	US-10-435-751-2	US-10-435-751	US-10-435-751	US-10-435-751	US-10-435-751	US-10-435-751	US-10-435-751	s us	5 US-10-435-751	5 US-10-435-751 5 HS-10-435-751	5 US-10-435-751	5 US-10-435-751	5 US-10-435-751	5 US-10-435-751	S US-10-435-751	5 US-10-435-751-35	5 US-10-435-751-12	5 US-10-435-751-16	US-10-435-751	5 US-10-435-751-17	5 US-10-435-751-18 5 HS-10-435-751-19	5 US-10-435-751-19	US-10-435-751-19	US-10-435-751-19	US-10-435-751-19	US-10-408-765A-1	0-098-871-65	0-741-601-37	0-741-600	)-741-601-3/ )-741-600-11
2586 2586 2586 2586	2586 2586	2587	2587	2587	2589	2589	2623	662	2783	2591	3931	898	4393	υνα υνα	851	698	8 6 8	893	893	893	1117	1117	111/	1117	1183	1183	1183	1183	1183	1208	1208	1208	1208	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1056	3588	3588	4346
13.4 13.4 13.4			-	٦,	1	П-		-	٦,	٦,	-	Η,	٦,	٦,	4 ~	-	ı	7	Н	7	-	ч,	٦.	٦.	٦,	-	· ~	7	7	٦,		ı	7	ч.	٦.	-	Н,	Н.	٦.	-	Н,	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2 2 4 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3	242 242	242	242	242 242	242	242	235.5	235	232.5	232	232	230.5	230	230	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	C. 622	229.5	229.5	229.5	228.5	229.5	229.5	٠ د		229.5	<u>,</u>	, 5		ο.	٠ •	, o		22	229	229	223 229
9883 985 485	987 988	686	991	0 0 0 0 0	994	995			999	1000	1002	1003	1004	1006	1007	1008	1009	1010	101	1012	1013	1014	1015	1017	1018	1019	1020	1021	1022	1023	1025	1026	1027	1028	ע אַ טַ רַ טאַ טַ	1031	1032	1033	1034	1036	1037	1038	1040	1041	1042	1043	1045	1046	1047	1048	1050	1051	1052	1053	1055
							•																									_														_									
Sequence 28, Appl Sequence 52, App Sequence 52, Appl Sequence 73, Appl	Sequence 157, App Sequence 90, Appl	Sequence 14, Appl	Sequence 49, Appl	Sequence 86, Appl Sequence 76, Appl	Sequence 20, Appl	Sequence 128, App	Sequence 93, Appl	Sequence 1895, Ap	Sequence 18, Appl	Sequence 42, Appl	Sequence 88, Appl	Sequence 88, Appl	Sequence 127, App	Sequence /3, Appl	Sequence 78, Appr Sequence 92, Appl	Sequence 3192. An	Sequence 21, Appl	Sequence 204, App	Sequence 113, App	Sequence 180, App	Sequence 20, Appl	Sequence 108, App	Sequence 106, App	Sequence 168, App	Sequence 323, App.	Sequence 28. Appl	Sequence 87, Appl	Sequence 899, App	Sequence	Sequence 67, Appl	Sequence 38, Appl	Sequence 2, Appli	Sequence 74, Appl	Sequence 6859, Ap	Sequence 5851, Ap	Sequence 6858, Ap	Sequence 6860, Ap	Sequence 34, Appl	Sequence 24, Appl	Sequence 24, Appl	Sequence 24, Appl	Sequence 24, Appl	Semience 13. Appl	Sequence 7, Appli	ä,	ને ⊲	'n	Sequence 38	Sequence 12, Appl		Sequence 2493, Ap	Sequence 8, Appli	Sequence 11, Appl	Sequence 14, Appl	Sequence 11, Appl Sequence 14, Appl
Sequence Sequence Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Seguence	Seguence	Seguence	Sequence	Sequence	Sequence	Seguence	Sequence	Seguence	Sequence	Semence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Sequence	Semience	Sequence	Sequence 10	Sequence I.	Sequence 53	Sequence 30	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
15 US-10-015-115-28 Sequence 9 US-09-764-853-561 Sequence 15 US-10-332-947-52 Sequence 15 US-10-378-029-73 Sequence	15 US-10-038-854-157 Sequence 15 US-10-042-865-90 Sequence	16 US-10-480-172-14 Sequence	13 US-10-108-605-49 Sequence	14 US-10-114-153-86 Sequence 15 US-10-120-801-76 Sequence	15 US-10-138-588-20 Sequence	14 US-10-032-189-128 Sequence	15 US-10-023-634-93 Sequence	16 US-10-408-765A-1895 Sequence	15 US-10-138-588-18 Sequence	15 US-10-162-335-42 Sequence	14 US-10-114-153-88 Sequence	15 US-10-115-479-88 Sequence	14 US-10-032-189-127 Sequence	15 US-10-120-801-/3 Sequence	15 US-10-431-168-78 Sequence	15 US-10-094-749-3192 Sequence	16 US-10-311-509-21 Sequence	17 US-10-482-029-204 Sequence	17 US-10-852-335A-113 Sequence	14 US-10-207-655-180 Sequence	14 US-10-274-583-20 Sequence	15 US-10-085-198-108 Sequence	12 US-IO-085-198-106 Sequence	14 US-IV-091-438-168 Sequence	13 03-10-231-338A-323 Sequence	15 US-10-331-496A-28 Sequence	15 US-10-211-462-87 Sequence	15 US-10-243-552-899 Sequence	15 US-10-276-774-1957 Sequence	9 US-09-808-602-67 Sequence	14 US-10-289-776-15 Sequence	17 US-10-826-812-2 Sequence	15 US-10-120-801-74 Sequence	15 US-10-369-493-6859 Sequence	15 US-1U-369-493-6861 Sequence	15 US-10-369-493-6858 Sequence	15 US-10-369-493-6860 Sequence	15 US-10-346-863-34 Sequence	10 US-US-3//-418-24 Sequence	10 US-09-977-751C-24 Sequence	10 US-09-977-639A-24 Sequence	11 US-09-977-819B-24 Sequence	14 08-10-111-972-44 Sequence	16 US-10-311-823-7 Sequence	16 US-10-311-823-16 Sequence 10	16 US-10-311-823-12 Sequence 13	15 US-10-094-886-52 Sequence 53	15 US-10-094-886-38 Sequence 30	9 US-09-991-326-12 Sequence	16 US-10-408-765A-118 Sequence	15 US-10-094-749-2493 Sequence	9 US-09-991-326-8 Sequence	9 US-09-729-485A-11 Sequence	9 US-09-729-485A-14 Sequence	9 US-09-802-318-11 Sequence 9 US-09-802-318-14 Sequence
336 15 US-10-015-115-28 Sequence 281 9 US-09-76-4653-561 Sequence 351 15 US-10-332-947-52 Sequence 133 15 US-10-378-029-73 Sequence	261 15 US-10-038-854-157 Sequence 261 15 US-10-042-865-90 Sequence	256 16 US-10-480-172-14 Sequence	528 13 US-10-108-605-49 Sequence	2572 14 US-10-114-153-86 Sequence 2673 15 US-10-120-801-76 Sequence	4495 15 US-10-138-588-20 Sequence	5636 14 US-10-032-189-128 Sequence	5636 15 US-10-023-634-93 Sequence	5636 16 US-10-408-765A-1895 Sequence	707 15 US-10-138-588-18 Sequence	361 IS US-10-162-335-42 Sequence 1336 15 US-10-019-0658-33	1902 14 US-10-114-153-88 Sequence	1953 15 US-10-115-479-88 Sequence	3645 14 US-10-032-189-127 Sequence	5645 IS US-10-120-801-/3 Sequence	4162 15 US-10-431-168-78 Sequence	733 15 US-10-094-749-3192 Segmence	848 16 US-10-311-509-21 Sequence	848 17 US-10-482-029-204 Sequence	848 17 US-10-852-335A-113 Sequence	848 14 US-10-207-655-180 Sequence	1477 14 US-10-274-583-20 Seguence	1356 15 US-10-085-198-108 Sequence	1426 IS US-IU-085-IV8-IU6 Sequence	1479 15 TG-10-031-838-T68 Sequence	1475 IS 03-IV-251-950A-525 Sequence	1496 15 US-10-331-496A-28 Sequence	1496 15 US-10-211-462-87 Sequence	1498 15 US-10-243-552-899 Sequence	1498 15 US-10-276-774-1957 Sequence	1395 9 US-09-808-602-67 Sequence	1395 IV US-10-289-776-15 Sequence	1395 17 US-10-826-812-2 Sequence	5175 15 US-10-120-801-74 Sequence	5175 15 US-10-369-493-6859 Sequence	51/5 15 US-10-369-493-6861 Sequence	5198 15 US-10-369-493-6858 Sequence	5198 15 US-10-369-493-6860 Sequence	5198 15 US-10-346-863-34 Sequence	404 10 US-US-8//-418-24 Sequence	404 10 US-09-977-751C-24 Sequence	404 10 US-09-977-639A-24 Sequence	404 11 US-09-977-819B-24 Sequence	570 16 US-10-311-823-13 Semience	586 16 US-10-311-823-7 Sequence	374 16 US-10-311-823-16 Sequence 1	442 16 US-IO-311-823-12 Sequence I	1315 15 US-10-094-886-52 Sequence 53	1386 15 US-10-094-886-38 Sequence 30	607 9 US-09-991-326-12 Sequence	1007 16 US-10-408-765A-118 Sequence	512 15 US-10-094-749-2493 Sequence	605 9 US-09-991-326-8 Sequence	2586 9 US-09-729-485A-11 Sequence	586 9 US-09-729-485A-14 Sequence	9 US-09-802-318-11 Sequence 9 US-09-802-318-14 Sequence
15 US-10-015-115-28 Sequence 9 US-09-764-853-561 Sequence 15 US-10-332-947-52 Sequence 15 US-10-378-029-73 Sequence	3.2 261 15 US-10-038-854-157 Sequence 3.2 261 15 US-10-042-865-90 Sequence	9.2 256 16 US-10-480-172-14 Sequence	7.1 528 13 US-10-108-605-49 Sequence	6.1 2572 14 US-10-114-153-86 Seguence 6.1 2673 15 US-10-120-801-76 Seguence	6.1 4495 15 US-10-138-588-20 Sequence	6.1 5636 14 US-10-032-189-128 Sequence	6.1 5636 15 US-10-023-634-93 Sequence	6.1 5636 16 US-10-408-765A-1895 Sequence	6.0 707 15 US-10-138-588-18 Sequence	6.0 361 IS US-10-162-335-42 Sequence 6.0 1336 15 IIS-10-019-0658-33 Semience	6.0 1902 14 US-10-114-153-88 Sequence	6.0 1953 15 US-10-115-479-88 Sequence	6.0 3645 14 US-10-032-189-127 Sequence	6.0 3645 IS US-10-120-801-/3 Sequence	5.4 4162 15 US-10-023-634-92 Sequence	5.3 733 15 US-10-094-749-3192 Sequence	5.3 848 16 US-10-311-509-21 Sequence	5.3 848 17 US-10-482-029-204 Sequence	5.3 848 17 US-10-852-335A-113 Sequence	5.2 848 14 US-10-207-655-180 Sequence	5.2 1477 14 US-10-274-583-20 Sequence	5.1 1356 15 US-10-085-198-108 Sequence	5.0 1426 15 US-IO-085-198-106 Sequence	4.9 ISZ I4 US-IV-V9I-438-I68 Sequence	4.9 1496 14 IIS-10-021-500A-323 Sequence	4.9 1496 15 US-10-331-496A-28 Sequence	4.9 1496 15 US-10-211-462-87 Sequence	4.9 1498 15 US-10-243-552-899 Sequence	4.9 1498 15 US-10-276-774-1957 Sequence	4.5 1395 9 US-09-808-602-67 Sequence	4.5 1395 14 US-10-289-776-15 Sequence	4.5 1395 17 US-10-826-812-2 Sequence	4.1 5175 15 US-10-120-801-74 Sequence	4.1 5175 15 US-10-369-493-6859 Sequence	4.1 51/5 L5 US-1U-369-493-6861 Sequence	4.1 5198 15 US-10-369-493-6858 Sequence	4.1 5198 15 US-10-369-493-6860 Sequence	4.1 5198 15 US-10-346-863-34 Sequence	4.0 404 10 US-US-9//-418-24 Sequence	4.0 404 10 US-09-977-751C-24 Sequence	4.0 404 10 US-09-977-639A-24 Sequence	4.0 404 11 US-09-977-819B-24 Sequence	4.0 570 16 US-10-311-823-13 Semience	4.0 586 16 US-10-311-823-7 Sequence	3.8 374 16 US-10-311-823-16 Sequence 1	3.8 442 16 US-10-311-823-12 Sequence 13	3.8 1315 15 US-10-094-886-52 Sequence 5	3.8 1386 15 US-10-094-886-38 Sequence 30	3.8 607 9 US-09-991-326-12 Sequence	3.6 1007 16 US-10-408-765A-118 Sequence	3.5 512 15 US-10-094-749-2493 Sequence	3.5 605 9 US-09-991-326-8 Sequence	3.4 2586 9 US-09-729-485A-11 Sequence	3.4 2586 9 US-09-729-485A-14 Sequence	3.4 2586 9 US-09-802-318-11 Sequence 3.4 2586 9 US-09-802-318-14 Sequence
9.9 336 15 US-10-015-115-28 Sequence 9.9 281 9 US-09-764-853-561 Sequence 7.7 351 15 US-10-332-947-52 Sequence 5.0 133 15 US-10-378-029-73 Sequence	33.2 261 15 US-10-038-854-157 Sequence 33.2 261 15 US-10-042-865-90 Sequence	29.2 256 16 US-10-480-172-14 Sequence 26.1 241 16 US-10-480-172-12 Sequence	08.5 17.1 528 13 US-10-108-605-49 Sequence	16.1 2572 14 US-10-114-153-86 Sequence 16.1 2673 15 US-10-120-801-76 Sequence	90.5 16.1 4495 15 US-10-138-588-20 Sequence	90.5 16.1 5636 14 US-10-032-189-128 Sequence	90.5 16.1 5636 15 US-10-023-634-93 Sequence	90.5 16.1 5636 16 US-10-408-765A-1895 Sequence	88.5 16.0 707 15 US-10-138-588-18 Sequence	88.5 16.0 361 15 US-10-162-335-42 Sequence	88.5 16.0 1902 14 US-10-114-153-88 Sequence	88.5 16.0 1953 15 US-10-115-479-88 Sequence	88.5 16.0 3645 14 US-10-032-189-127 Sequence	88.5 16.0 3645 15 US-10-120-801-/3 Sequence	00:3 10:0 3033 13 03-10-431-100-78 Sequence	276 15.3 733 15 US-10-094-749-3192 Sequence	15.3 848 16 US-10-311-509-21 Sequence	15.3 848 17 US-10-482-029-204 Sequence	15.3 848 17 US-10-852-335A-113 Sequence	15.2 848 14 US-10-207-655-180 Sequence	274 15.2 1477 14 US-10-274-583-20 Sequence	15.1 1356 15 US-10-085-198-108 Sequence	71.5 15.0 14.5 15 US-10-085-198-106 Sequence	269 14:9 152 14 08-10-091-438-168 Sequence	14.9 1496 14 HS-10-021-660-125 Segmence	68.5 14.9 1496 15 US-10-331-496A-28 Sequence	68.5 14.9 1496 15 US-10-211-462-87 Sequence	68.5 14.9 1498 15 US-10-243-552-899 Sequence	68.5 14.9 1498 15 US-10-276-774-1957 Sequence	14.5 1395 9 US-09-808-602-67 Sequence	14.5 1395 IV US-10-289-776-15 Sequence	14.5 1395 17 US-10-826-812-2 Sequence	54.5 14.1 5175 15 US-10-120-801-74 Sequence	54.5 14.1 5175 15 US-10-369-493-6859 Sequence	54.5 14.1 51/5 15 US-1U-369-493-6861 Sequence	54.5 14.1 5198 15 US-10-369-493-6858 Sequence	54.5 14.1 5198 15 US-10-369-493-6860 Sequence	54.5 14.1 5198 15 US-10-346-863-34 Sequence	55.5 14.0 404 10 US-US-Y//-418-24 Sequence	14.0 404 10 US-09-977-751C-24 Sequence	53.5 14.0 404 10 US-09-977-639A-24 Sequence	53.5 14.0 404 11 US-09-977-819B-24 Sequence	25.3 14.0 570 16 US-10-311-823-13 Semence	14.0 586 16 US-10-311-823-7 Sequence	13.8 374 16 US-10-311-823-16 Sequence 1	13.8 442 16 US-10-311-823-12 Sequence 13	13.8 1315 15 US-10-094-886-52 Sequence 5	250 13.8 1386 15 US-10-094-886-38 Sequence 30	49.5 13.8 607 9 US-09-991-326-12 Sequence	46.5 13.6 1007 16 US-10-408-765A-118 Sequence	13.5 512 15 US-10-094-749-2493 Sequence	43.5 13.5 605 9 US-09-991-326-8 Sequence	13.4 2586 9 US-09-729-485A-11 Sequence	13.4 2586 9 US-09-729-485A-14 Sequence	13.4 2586 9 US-09-802-318-11 Sequence

Seguence

Perfect score: Sequence: Scoring table:

OM protein

ü0

Run

Minimum Maximum

Database

Searched:

```
US-10-015-115-24
US-10-015-115-26
US-10-332-947-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    319
307
336
                                                                                                                                                                                                               91.4
90.9
90.8
771.7
71.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      931.5
931.5
931.5
931.5
930.5
926.5
926.5
893.8
873.8
842.5
   819
815
815
815
815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        815
815
815
815
815
815
815
815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            842
823
823
                                                                                                         ; Search time 142 Seconds
(without alignments)
837.422 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                   1806
1 MKTIQPKMHNSISWALFTGL.....RRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                               Published Applications AA:*

1: \( cgn2 \frac{6}\) \text{prodata/1} \text{Pubpaa/PCT NEW PUBCOMB.pep:*} \)

2: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/PCT NEW PUB.pep:*} \)

3: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/VSG NEW PUB.pep:*} \)

4: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOF NEW PUB.pep:*} \)

5: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOF NEW PUB.pep:*} \)

6: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB NEW PUB.pep:*} \)

7: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB NEW PUB.pep:*} \)

8: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB NEW PUB.pep:*} \)

9: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

10: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

11: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

12: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB NEW PUB.pep:*} \)

13: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB NEW PUB.pep:*} \)

14: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

15: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

16: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

17: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

18: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB PUBCOMB.pep:*} \)

19: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB VUB.PUB.pep:*} \)

19: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB VUB.PUB.pep:*} \)

19: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB VUB.PUB.pep:*} \)

10: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB VUB.PUB.PUB.pep:*} \)

10: \( cgn2 \frac{6}\) \text{prodata/1} \text{pubpaa/USOB VUB.PUB.PUB.PUB.PUB.PUB.PUB.PUB.PUB.PU
                                                                                                                                                                                                       1465611
             GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-066-269-104
US-10-167-749-523
US-10-223-085-56
US-10-223-088-56
US-10-223-088-56
US-10-223-089-56
US-10-223-087-56
                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                 1465611 segs, 345679903 residues
                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                    - protein search, using sw model
                                                                         June 3, 2005, 14:38:59
                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                       seq length: 0
seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                       Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match
```

24, Appl 115, Appl 115, Appl 265, Ap 26, Appl 26, Appl 155, App 88, Appl 612, App 612, App 612, App 612, App 612, App 612, App

155,

Sequence Seq

9, Appli 8, Appli 22, Appl

Sequence Sequence Sequence

Sequence

Sequence Seq

11 806 11 806 11 806 11 806 11 806 11 806 11 806

Š.

Sequence 3, Appl Sequence 523, Appl Sequence 6, Appli Sequence 10, Appli Sequence 10, Appli Sequence 11, Appli Sequence 12, Appli Sequence 12, Appli Sequence 11, Appli Sequence 12, Appli Sequence 15, Appli

```
59 EKRHSLEYSLRIQKVDVYDEGSYTCSVQTQHEPKTSQVYLIVQVPPKISNISSDVTVNEG 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :|::| |:| |||| :|||||:||||19 SINVILVCMANGRPEPVITWRHLTPIGREFEGEEEYLEILGITREQSGKYECKAANEVSSA 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           271 VENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSEVSNGTSRRAGCV 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 238 IKSTEGQSSLTVTNVTEEHYGNYTCVAANKLGVTNASLVLFRPGSVRGI-NGSISLAVPL 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91 LSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEG 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        151 NNISLICIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGDYECSASNDVAAP 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 211 VVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRLIEGKKGVK 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 VRSVD--FNRGTDNITVRQGDTAILRCVLEDKNSKVAWLNRSGIIFAGHDKWSLDPRVEL 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31 VRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAMLNRSTILYAGNDKWCLDPRVVL 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 304;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  74; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 55.5%; Pred. No. 8.7e-82;
Matches 171; Conservative 59; Mismatches 74.
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 317743-102
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEEX:
                                                                                                                                                                                                        317743-102
                                                                                                                                                                                                                                                                                                                 ; INFORMATION FOR SEQ ID NO: 44:; SEQUENCE CHARACTERISTICS:
; LENGTH: 304 amino acids; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-414-657D-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                331 WLLPLLVL 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          297 WLLAASLL 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

Search completed: June 3, 2005, 14:38:08 Job time: 34 secs

```
Query Match
Best Local Similarity 55.31
Matches 173; Conservative
                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08543
                                                                                                                                                                                                                                                                         ;
US-08-414-657D-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               211
                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                           NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                            VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SNISSDVTVNEGSNVTLVCMANGRPEPVITWRHLTPLGREFEGEEFYLEILGITREQSGK 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                74
                                                                                                                                                                                                                                                                                                                                                           20 LAALCLF-OGVPVRSGDATFPKAMDNVTVROGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                       Length 315;
                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: Levitt, Pat

APPLICANT: Pimenta, Aura

APPLICANT: Pischer, Itzhak

APPLICANT: Zhukareva, Victoria

APPLICANT: Zhukareva, Victoria

TITLE OF INVENTION: Limbic System-Associated Membrane

TITLE OF INVENTION: Protein and DNA

NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .....KESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                      Query Match 50.2%; Score 907; DB 2; Best Local Similarity 56.3%; Pred. No. 2.9e-82; Matches 170; Conservative 58; Mismatches 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSED for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR-1995
CLASSIFICATION: 435
                                                  317743-102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-08-414-657D-45
'Sequence 45, Application US/08414657D
'Patent No. 5861283
                 NAME: Bloom, Allen
REGIGTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 3177
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259
                                 29,135
                                                                                                                                 information for SEQ ID NO: 47
SEQUENCE CHARACTERISTICS:
LENGTH: 315 amino acids
TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: linear
US-08-414-657D-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ::
314 IN 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               319 VS 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08543
                                                                                                                                                                                                                                                                                                                                                                                                         79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                255
                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δ
```

```
91 LSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEG 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S9 EKRHALEYSLRIQKVDVYDEGSYTCSVQTQHEPKTSQVYLIVQVPPKISNISSDVTVNEG 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGDYECSASNDVAAP 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRLIEGKKGVK 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      271 VENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSEVSNGTSRRAGCV 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31 VRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAGNDKWCLDPRVVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4;
                                                                                                                                                                                                                                                                                                                                                                                                                        Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-414-657D-44

Sequence 44, Application US/08414657D

Sequence 44, Application US/08414657D

Patent No. 5861283

GENERAL INFORMATION:

APPLICANT: Evitt, Pat

APPLICANT: Fischer, Itzhak

APPLICANT: Fischer, Itzhak

APPLICANT: Alkareva, Victoria

TITLE OF INVENTION: Limbic System-Associated Membrane

TITLE OF INVENTION: Limbic System-Associated

NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dechert Price & Rhoads
                                                                                                                                                                                                                                                                                                                                                                                                                        ; Score 905; DB 2; Length 31; Pred. No. 4.5e-82; 59; Mismatches 77; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  & Rhoads
Building 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                                       317743-102
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFRENCE/DOCKET NUMBER: 3177.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEPHONE: 609-520-3214
                                                                                                                                                                                                                                                                                                                                                                                                                          50.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 997 Lenox Drive, CITY: Lawrenceville
                                                                                                                                                                                                                                                                             LENGTH: 310 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 331 WLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            297 WLLAASLFCLLSK 309
```

```
REFERENCE/DOCKET NUMBER:
                                                                                                                                   TYPE: amino a STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VS 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08543
                                                                                                                                                                 ;
TOPOLOGY:
US-08-414-657D-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 13
US-08-414-657D-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      307
                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                 79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                    139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                                                                                      YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                         259 DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         255 DTR-INSANGLEIKSTEGQSSLTVTMVTEEHYGNYTCVAANKLGVTNASLVLFRPGSVRG 313
                                                                                                                                                                                                                                  20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG 78
                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                   5.
                                                                                                                                                                 51.1%; Score 923.5; DB 4; Length 338; 55.1%; Pred. No. 7.3e-84; ive 60; Mismatches 81; Indels 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-414-657D-46

US-08-414-657D-46

Sequence 46, Application US/08414657D

Patent No. 5861283

GENERAL INFORMATION:
APPLICANT: Levitt, Pat
APPLICANT: Fischer: Itzhak
APPLICANT: Fischer: Itzhak
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF SEQUENCES:
OORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Bullding 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           314 I-NGSISLAVPLWLLAASLLCLLSK 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 997 Lenox Drive, Buctiff: 37ATE: NJ COUNTRY: USA ZIP: 08543 COMPUTER READABLE FORM: MEDIUM TYPE: Diskette COMPUTER: IBM COMPUTER: DOS SOFTWARE: FASTER: DOS SOFTWARE: FASTERED
               TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 338 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                             Query Match
Best Local Similarity 55.1
Matches 179; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 31-MAR-19
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
 TELEFAX: 609-620-3259
                                                                                                                  TOPOLOGY: linear
                                                                                                                                 US-09-135-080-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                    요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  d
                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

```
79 NDKWCLDPRVVLLSNTQTQYSIBIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          68 HDKWSLDPRVELEKRHSLEYSLRIQKVDVYDEGSYTCSVQTQHEPKTSQVYLIVQVPPKI 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SNISSDVTVNEGSNVTLVCMANGRPEPVITWRHLTPTGREFEGEERYLEILGITREQSGK 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                199 YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||| |:|:|:: |::|||||||||| |:|:|
188 YECKAANEVSSADVKQVKVTVNYPPTITESKSNEATTGRQASLKCEASAVPAPDFEWYRD 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 LKLLCLLPTGLPVRSVD--FNRGTDNITVRQGDTAILRCVLEDKNSKVAWLARSGIIFAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                              4
                                                                                                                                                                                                                                                                                                                                                     Length 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Levitt, Pat
APPLICANT: Devitt, Pat
APPLICANT: Dimenta, Aurea
APPLICANT: Fischer, Itzhak
APPLICANT: Zhukareva, Victoria
TITLE OF INVENTION: Limbic System-Associated Membrar
TITLE OF SEQUENCES: 60
NUMBER OP SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                  50.3%; Score 908; DB 2;
56.3%; Pred. No. 2.2e-82;
tive 58; Mismatches 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR-1995
CLASSIFICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
317743-102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 47, Application US/08414657D Patent No. 5861283 GENERAL INFORMATION:
                            TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259
                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHRARCIERISTICS:
LENGTH: 308 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                           Matches 170; Conservative
                                                                                                                                                                                                                                                 single
                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                  Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ::
IN 308
```

```
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08543
                                                                                                                      ;
US-08-414-657D-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-135-080-8
                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   원
                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                         79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SNISSDVIVNEGSNVTLVCMANGRPEPVITWRHLTPTGREFEGEEFYLEILGITREQSGK 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                              10 LKLLCLLPTGLPVRSVD--PNRGTDNITVRQGDTAILRCVLEDKNSKVAWLNRSGIIFAG 67
                                                                                                                                                                                                                              20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                       .,
                                                                                                             Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 10
US-08-414-657D-60
; Sequence 60, Application US/08414657D
; Patent No. 5861283
; GENERAL INFORMATION:
APPLICANT: Dimenta, Aurea
; APPLICANT: Flecher, Itzlak
; APPLICANT: Tricher, Itzlak
APPLICANT: Tricher, Itzlak
; TITLE OF INVENTION: Limbic System-Associated Membrane
; TITLE OF INVENTION: Limbic Sy
                                                                                                             51.1%; Score 923.5; DB 4; Length 55.3%; Pred. No. 6.8e-84; Live 60; Mismatches 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            317743-102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          319 VSNGTSRRAGCVWLLPLLVL 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                307 I-NGSISLAVPLWLLAASLL 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 31.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
                                                                                                                                                                    Matches 177; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 609-520-3259
                               internal
                                                                                                             Query Match
Best Local Similarity
// MOLECULE TYPE:
// FRAGMENT TYPE:
US-09-135-080-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      248
                                                                                                                                                                                                                                                                                  엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
```

```
79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                            139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                              199 YECSASNDVAAPVVRRVKVTVNYPPYISBAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                  259 DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  255 DTR-INSANGLEIKSTEGQSSLIVTMVTEEHYGNYTCVAANKLGVTNASLVLFRPGSVRG 313
                                                                                                                                                                                                        74
                                                                                                                                                                                        20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                      Gaps
                                                                                                                                      .,
.,
                                                                                                  Length 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                51.1%; Score 923.5; DB 2;
55.1%; Pred. No. 7.3e-84;
iive 60; Mismatches 81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM ITES: DISKELE COMPATION:
COPERATING SYSTEM: DOS
SOFTWARE: FaceSED for windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/135,080
FILING DATE: 17-AUG-1998
CLASSIFCATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/414,657
FILING DATE: 31-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REGISTRATION NUMBER: 29,135
REGISTRATION NUMBER: 31.743-102A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-620-3214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
338 amino acids
                                                                                                    Query Match
Best Local Similarity 55.1%
Matches 179; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                 single
            TYPE: amino acid
STRANDEDNESS: sir
                                                  TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
```

Gape

5,

Indels

g

d ઠે g ò g

ò

셤

ò g

ઠે

```
79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                   139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                        SNISSDVTVNEGSNVTLVCMANGRPEPVITWRHLTPTGREFEGEEFYLEILGITREQSGK 187
                                                                                                                                                                                                                                                                                                                                                          YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                                                                               DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     248 DTR-INSANGLEIKSTEGQSSLTVTNVTEEHYGNYTCVAANKLGVTNASLVLFRPGSVRG 306
                                                                                                           10 LRLLCLLPTGLPVRSVD--FNRGTDNITVRQGDTAILRCVLEDKNSKVAWLARSGIIFAG
                                                                                                                                                                                                    LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Levitt, Pat R.
APPLICANT: Pimenta, Aurea
APPLICANT: Pimenta, Aurea
APPLICANT: Fischer, Itzhak
APPLICANT: Fischer, Itzhak
APPLICANT: Fischer, Victoria
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Protein and DNA
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
Pred. No. 6.8e-84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
OPERATING SYSTEM: DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/135,080
FLING DATE: 17-AUG-1998
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08414,657
FILING DATE: 31-MAR-1995
ATTORNEY/ACENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 317743-:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         319 VSNGTSRRAGCVWLLPLLVL 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : ||: | :|| 325
307 I-NGSISLAVPLWLLAASLL 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/09135080 Patent No. 6423827 GENERAL INFORMATION:
                  Best Local Similarity 55.3%; Pr
Matches 177; Conservative 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 325 amino acida
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 609-620-3259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NJ
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: N. COUNTRY:
                                                                                                                                                                                                                       68
                                                                                                                                                                                                                                                                                                             128
                                                                                                                                                                                                                                                                                                                                                          199
                                                                                                                                                                                                                                                                                                                                                                                                                                                  259
                                                                                      ò
                                                                                                                           셤
                                                                                                                                                                          ò
                                                                                                                                                                                                                  d
                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                      d
                                                                                                                                                                                                                                                                                                                                                     à
                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                       79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVXDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                  68 HDKWSLDPRVELEKRHSLEYSLRIQKVDVYDEGSYTCSVQTQHEPKTSQVYLIVQVPPKI 127
                                                                                                                                                                                               139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                        199 YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                                                                                                                                                                  259 DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                                                                                                                                                                      248 DTR-INSANGLEIKSTEGQSSLTVINVTEEHYGNYTCVAANKLGVINASLVLFRPGSVRG 306
                     20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG 78
                                                   10 LRLLCLLPTGLPVRSVD--FNRGTDNITVRQGDTAILRCVLEDKNSKVAWLNRSGIIFAG 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Levitt, Pat
APPLICANT: Finenta, Aurea
APPLICANT: Finenta, Aurea
APPLICANT: Aurea
APPLICANT: Aurea
APPLICANT: Aurea
APPLICANT: Aurea
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Protein and DNA
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 08543
ZIP: 08543
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31.MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51.1%; Score 923.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          317743-102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 41, Application US/08414657D
Patent No. 5861283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AFFLICATION DATE:
FILING DATE:
ATTORNET: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 3177
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       319 VSNGTSRRAGCVWLLPLLVL 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               307 I-NGSISLAVPLWLLAASLL 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 325 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 609-520-32
TELEFAX: 609-520-3259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Lawrenceville STATE: NJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-414-657D-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-414-657D-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

셤 ઠ 셤 ò g à q

```
13 HDKWSLDPRVELEKRHALEYSLRIQKVDVYDEGSYTCSVQTQHEPKTSQVYLJVQVPPKI 134
                                                                VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                        YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                                           195 YECKAANEVSSADVKQVKVTVNYPPTITESKSNEATTGRQASLKCEASAVPAPDFEWYRD 254
                                                                                                                                                                                                                                   DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Levitt, Pat
APPLICANT: Pinenta, Aurea
APPLICANT: Fischer, Italak
APPLICANT: Tischer, Italak
APPLICANT: Zhukareva, Victoria
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Protein and DNA
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dechert Price & Rhoads
7 Lenox Drive, Building 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 51.1%; Score 923.5; DB 2; Best Local Similarity 55.3%; Pred. No. 6.8e-84; Matches 177; Conservative 60; Mismatches 78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: DOS
SOFTWARE: FESTEED for Windows Version 2.0
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR.1995
CLASSIFICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                 314 I-NGSISLAVPLWLLAASLFCLLSK 337
                                                                                                                                                                                                                                                                                                                     319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            317743-102
                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-414-657D-2
; Sequence 2, Application US/08414657D
; Patent No. 5861283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 997 Lenox Drive,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           325 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 609-520-32
TELEFAX: 609-520-3259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lawrenceville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ż
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-414-657D-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY:
STATE:
                                                                139
                                                                                                                                                   199
                                                                                                                                                                                                                                   259
                                                                                                                                                                                                                                                                              255
                                                                ò
                                                                                                     g
                                                                                                                                                                                   g
                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                 ò
                         YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                            DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                                                                                                              139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        79 NDKWCLDPRVVLLSNTQTQYSIBIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4; Length 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     51.3%; Score 926.5; DB 4; Length 35.1%; Pred. No. 3.6e-84; Live 60; Mismatches 81; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Levitt, Pat R.
APPLICANT: Pimenta, Aurea
APPLICANT: Fischer, Itzhak
APPLICANT: Zhukareva, Victoria
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Protein and DNA
NUMBER OF SEQUENCES: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 08543

ZIP: 08643

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/135,080
FILING DATE: 17-AUG-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/414,657
FILING DATE: 31-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             317743-102A
                                                                                                                                                                                                                                                         319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                   Sequence 4, Application US/09135080 Patent No. 6423827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFRENCE/DOCKET NUMBER: 3177
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-620-3214
TELEFAX: 609-620-3259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 338 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 55.1%,
Matches 179; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                              RESULT 6
US-09-135-080-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-135-080-4
                                                                                    199
                                                                                                                                                                      259
                                                                                                                                                                                                               255
```

g ò

à

원 ò a

ò

```
DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                                                                            NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                  YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ď.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                      APPLICANT: Levitt, Pat
APPLICANT: Pimenta, Aurea
APPLICANT: Fischer, Itzhak
APPLICANT: Zhukareva, Victoria
TITLE OF INVENTION: Limbic System-Associated Membrane
TITLE OF INVENTION: Protein and DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR.1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51.3%; Score 926.5; DB 2
55.1%; Pred. No. 3.6e-84;
iive 60; Mismatches 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 317743-102
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION: 609-520-3214
TELEFAX: 609-520-3259
                                                                                                                                                            319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                   314 I-NGSISLAVPLWLLAASLFCLLSK 337
                                                                                                                                                                                                                                                                                  Sequence 43, Application US/08414657D Patent No. 5861283 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPAILDLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 338 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 55.1%
Matches 179; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
LENGTH: 338 amino aci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ŋ
                                                                                                                                                                                                                                                                     US-08-414-657D-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: N
                                                                                                                         255
                  199
                                                                                       259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     75
                                              g
                                                                                       8
                                                                                                                   g
                                                                                                                                                          ઠે
                                                                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSE 318
                                                      255 DTR-INSANGLEIKSTEGQSSLTVTNVTEEHYGNYTCVAANKLGVTNASLVLFRPGSVRG 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         195 YECKAANEVSSADVKQVKVTVNYPPTITESKSNEATTGRQASLKCEASAVPAPDFEWYRD 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 338;
                                                                                                                                                                                                                        Sequence 42, Application US/08414657D; Patent No. 5861283

GENERAL INFORMATION:
APPLICANT: Levitt, Pat
APPLICANT: Fischer, Itzhak
APPLICANT: Zhukareva, Victoria
ITLE OF INVENTION: Limbic System-Associated Membrane
ITLE OF INVENTION: Protein and DNA
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                E: Dechert Price & Rhoads
997 Lenox Drive, Building 3, Suite 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   51.3%; Score 926.5; DB 2
55.1%; Pred. No. 3.6e-84;
iive 60; Mismatches 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEC for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       319 VSNGTSRRAGCVWLLPLLVLHLLLK 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JAHER: US/08/414,657D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 31
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 08543
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 338 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 51.3
Best Local Similarity 55.1
Matches 179; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Lawrenceville
STATE: NJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino ac
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-414-657D-42
                                                                                                                                                                                                                 US-08-414-657D-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
```

셤

ઠે 셤 ઠે

```
Sequence 404, Application US/09976594
Facent No. 6673549
GENERAL INFORMATION:
APPLICANT: Furness, Michael
APPLICANT: Furness, Michael
APPLICANT: Buchbinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
CURRENT FILING DATE: 2000-10-12
PRIOR APPLICATION NUMBER: 60/240,409
FRIOR FILING DATE: 2000-10-12
PRIOR SEQ ID NOS: 1143
SOFTWARE: PERL PROGRAM
SEQ ID NOS: 1143
                                                                                                                                                                                                                                                                                                                                                                                                                                         331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         134
                                                                                                                                                                                                   SNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGN 151
                                                                                                                                                                                                                       61 SNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKIVEISSDISINEGN 120
                                                                                                                                                                                                                                                                              NISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGDYECSASNDVAAPV 211
                                                                                                                                                                                                                                                                                                                 121 NISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGDYECSASNDVAAPV 180
                                                                                                                                                                                                                                                                                                                                                                                VRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRLIEGKKGVKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                             241 ENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSEVSNGTSRRAGCVW 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    79 NDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTDNHPKTSRVHLIVQVSPKI 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    199 YECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKD 258
                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 RSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAMLNRSTILYAGNDKWCLDPRVVLL
                                                                                                                                                                                                                                                                                                                                                         VRRVKVTVNYPPY I SEAKGTGVPVGQKGTLQCEASAVPSAEFQWYKDDKRL I EGKKGVKV
                                                                                                                                                                                                                                                                                                                                                                                                                                         ENRPFLSKLIFFNVSEHDYGNYTCVASNKLGHTNASIMLFGPGAVSEVSNGTSRRAGCVW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         139 VEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFVSEDEYLEIQGITREQSGD
                                                                                                                      32 RSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAGNDKWCLDPRVVLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 LAALCLF-QGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLNRSTILYAG
                                                                                 Gaps
                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 338;
                                          Length 313;
                                                                               Indels
                                      90.9%; Score 1642; DB 4; L
100.0%; Pred. No. 7.6e-156;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6673549 1640555CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51.6%; Score 931.5; DB 4;
55.4%; Pred. No. 1.2e-84;
tive 60; Mismatches 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 55.4%
Matches 180; Conservative
                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                    Query Match
Best Local Similarity
Matches 313; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
US-09-976-594-404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMA'
US-09-976-594-404
    US-09-700-397-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    332
                                                                                                                                                                                                   92
                                                                                                                                                                                                                                                                            152
                                                                                                                                                                                                                                                                                                                                                           212
                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                       272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301
                                                                                                                        ð
                                                                                                                                                      ద
                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                             qq
                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                     δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Š
                                                                                                   õĘ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         οĘ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/09700397

Sequence 4, Application US/09700397

Patent No. 6664383

GENERAL INFORMATION:

APPLICANT: Ono Pharmaceutical Co., Ltd.

TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of TITLE OF INVENTION NUMBER: US/09/700,397

CURRENT FILING DATE: 1099-05-13

PRIOR APPLICATION NUMBER: PCT/JP99/02485

PRIOR FILING DATE: 1999-05-13

PRIOR FILING DATE: 1999-05-13

NUMBER OF SEQ ID NOS: 19

SEQ ID NOS: 19

SEQ ID NOS: 19

SEQ ID NOS: 10

SEQ ID NOS: 10
                                                      GENERAL INFORMATION:
APPLICANT: Ono Pharmaceutical Co., Ltd.
TITLE OF INVENTION:
PILE PERERENCE: Q61459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NHPKTSRVHLIVQVSPKIVEISSDISINEGNNISLTCIATGRPEPTVTWRHISPKAVGFV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LQCEASAVPSAEFQWYKDDKRLIEGKKGVKVENRPFLSKLIFFNVSEHDYGNYTCVASNK 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MKTIQPROMINSISWAIFTGLAALCLFQGVPVRSGDATFPRAMDNVTVRQGESATLRCTID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEDEYLEIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181 SEDEYLEIQGITREQSGDYECSASNDVAAPVVRRVKVTVNYPPYISEAKGTGVPVGQKGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MKTIQPKMHNSISWAIFTGLAALCLFQGVPVRSGDATFPKAMDNVTVRQGESATLRCTID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NRVTRVAWLNRSTILYAGNDKWCLDPRVVLLSNTQTQYSIEIQNVDVYDEGPYTCSVQTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LGHTNASIMLFGPGAVSEVSNGTSRRAGCVWLLPLLVLHLLLKF 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc feature
; OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 100.0%; Score 1806; DB 4;
Best Local Similarity 100.0%; Pred. No. 3.4e-172;
Matches 344; Conservative 0; Mismatches 0;
                                                                                                                        CURRENT APPLICATION NUMBER: US/09/700,397;
CURRENT PILING DATE: 2001-01-05;
PRIOR APPLICATION NUMBER: UP 10-131815;
PRIOR APPLICATION NUMBER: UP 10-131815;
PRIOR PELING DATE: 1998-05-14;
PRIOR FILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin version 3.0
SEQ ID NO 34
LENGTH: 344
                    Sequence 3, Application US/09700397
Patent No. 6664383
                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 313
TYPE: PRT
ORGANISM: Homo sapiens
US-09-700-397-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
```

Sequence 1, Appli Sequence 1, Appli Sequence 8, Appli Sequence 8, Appli	ຸນນູ	15	והיע	9	14	m ~	'n	4:	12	87	n n	43.	15,	2,7	22	m,	Sequence 8, Appli	0 2	12,	7,	7.5	12,	2	n' c	, a	ω,	٠, ص	19,	20	U R	4,	13	13	13	13	Ξ,	Sequence 1, Appit Sequence 18, Appl	9	18 41	8	פוק	72	7.					
US-08-296-749-1 US-08-314-369-1 US-09-312-157-8 US-09-312-157-8 US-09-717-888-8			US-08-435-568A-1						US-08-483-389-11				US-08-463-903-15			US-09-517-605-3		US-10-000-489-7	US-09-620-461-12	US-09-828-995B-	US-08-768-964-1 US-09-005-299-1	US-09-505-237-1	US-08-768-964-2															US-09-560-639-6		US-09-397-243D-8		US-09-949-016-61	US-08-999-689A-7		ALIGNMENTS			
547 3 547 4 771 3 771 3	# E E E	0 0 0 0 0	200	30	07	31	31	32	328	32	32	202	82	8 8 7 4	2 2	28	00	ν σ.	12	4.0	50 G	0 0	63	63	6.4	64	64	44	94	4, 4 00 0	710	44	44	7 7	44	44	337 1	37	7 4	63	69							
46666		1.1.			6.1	6.1	1.9	6.1	. T. 9	6.1	6.1	. 0	٠.	٠, ٠						٠.	٠, -					٠.			•	•		•	•			•	, rv , so	•	•		•							
110	109.5	109.5	109.5	109.5	109.5 109.5	109.5	109.5	109.5	109.5	109.5	109.5	109	109	109	109	109	109	108	108	108	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107	107	106.5	106.5	106	106	106	106	106	105.5	105.5	105.5	105	105	102	105					
1434 1435 1436 1437	<b>ሳ 44 44 •</b>	1442	1445	1447	1448 1449	1450	1452	1453	1454	1456	1457	1459	1460	1461	1463	1464	1465	1466	1468	1469	1470	1472	1473	1474	1476	1477	1478	1480	1481	1482	1484	1485	1486	1488	1489	1490	1491	1493	1494	1496	1497	1498	1500				1 11111111	
Sequence 30, Appl Sequence 35, Appl Sequence 70, Appl Sequence 27, Appl Sequence 26, Appl	edneuce	equence (equence (	ednence (	equence 1	equence ] equence ]	equence 1	equence ;	equence 1	equence ;	equence	equence	eduence	ednence	equence 8	equence 2	equence 9	equence 4	eduence	equence (	edneuce	equence	edneuce (	equence 1	equence 1	eduence 3	equence ?	equence (	equence 1	equence 1	equence 1	equence 1	equence 1	equence 1	equence 1	equence	equence	equence ;	equence 2	equence ]	equence 1	equence 1	equence 1	9	equence ]	Sequence 1, Appli	equence	9 9	cianba
ednence ednence ednence ednence	Sequence	Sequence (	Sequence (	Seguence	Sequence 1 Sequence 1	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence 1	Sequence 1	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence 1	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	'T acinembac
Sequence Sequence Sequence Sequence Sequence	3 US-09-560-639-7 Sequence 3 US-09-173-151A-24 Sequence 2 US-09-173-151A-24	4 US-09-032-337-39 Sequence 3 US-08-463-903-6 Sequence 3 INS-08-463-903-8	3 US-07-935-695-6 Sequence 8	3 US-08-463-903-10 Sequence 1	3 US-07-935-695-10 Sequence 1 3 US-08-463-903-12 Sequence 1	3 US-07-935-695-12 Sequence 1	3 US-09-361-434-22 Sequence 2	3 US-09-635-025-17 Sequence 1	3 US-09-635-UZ5-ZZ Sequence 2 US-08-091-519-2 Sequence 2	1 US-08-442-043A-2 Sequence	3 US-09-173-151A-26 Sequence 2	4 US-08-441-893A-2 Sequence 2	4 US-09-579-845-4 Sequence	4 US-08-406-824A-8 Sequence 8	5 PCT-US91-03478-2 Sequence 2	4 US-09-949-016-9458 Sequence 5	4 US-08-030-175-41 Sequence 4	4 US-08-030-175-42 Sequence 4 US-09-723-368-2 Semience 5	4 US-09-949-016-6278 Sequence	4 US-09-949-016-7563 Sequence	4 US-08-896-537A-2 Sequence 2	2 US-08-885-418-6 Sequence	4 US-09-858-664A-15 Sequence	4 US-10-274-978-16 Sequence 1	3 US-08-463-903-2 Sequence 2	3 US-07-935-695-2 Sequence 2	4 US-08-961-309-64 Sequence 6	3 US-07-935-695-17 Sequence 1	4 US-09-910-174B-16 Sequence 1	4 US-09-620-461-16 Sequence 1	3 US-09-303-069-16 Sequence 3	3 US-09-134-250-16 Sequence 1	2 US-08-224-591-14 Sequence 1	2 US-08-926-336A-23 Sequence 2 US-08-926-789-14 Semience 1	3 US-09-166-750-23 Sequence 2	3 US-09-166-093-23 Sequence 2	3 US-09-1/2-019-23 Sequence 3 US-09-166-094-23 Sequence 2	4 US-09-443-213-23 Sequence 2	5 PCT-US93-11138-14 Sequence 1	1 US-08-314-362-1 Sequence 1	1 US-08-433-010-1 Sequence 1	1 US-US-482-1 Sequence 1 2 US-08-483-389-1 Sequence 1	2 US-08-487-113D-1 Sequence	2 US-08-473-503-1 Sequence	2 US-08-483-932-1 Sequence 1 2 US-08-720-4208-1 Semience 1	3 US-08-714-017-1 Sequence 1	3 US-08-863-790-1 Sequence 1	7 - 17 - 20 - 27 - 20 - 27 - 20 - 27 - 27 - 2
2 US-08-341-843B-30 Sequence 2 US-08-427-497E-35 Sequence 3 US-08-941-309-70 Sequence 4 US-09-773-877B-26 Sequence 4 US-09-773-877B-26 Sequence 5 US-09-773-877B-26 Sequence 5 US-09-773-877B-26 Sequence 5 US-09-773-877B-26	2 567 3 US-09-560-639-7 Sequence 2 567 3 US-09-573-151A-24 Sequence 2 567 3 US-09-573-151A-24 Sequence 2	.z 56/ 4 US-U3-U3Z-337.39 Sequence 275 3 US-08-463-903-6 Sequence ( 775 3 US-08-463-901-R Seminore E.	1 275 3 US-07-935-695-6 Sequence 1 275 3 US-07-935-695-6	1 280 3 US-08-463-903-10 Sequence 3	.1 280 3 US-07-935-695-10 Sequence 1 .1 282 3 US-08-463-903-12 Sequence 1	.1 282 3 US-07-935-695-12 Sequence 1	.1 321 3 US-09-361-434-22 Sequence 2	.1 321 3 US-09-635-025-17 Sequence 1	.1 321 3 US-09-635-025.22 Sequence 3.1 398 1 US-08-091-519-2 Sequence 3.	.1 398 1 US-08-442-043A-2 Sequence	.1 398 3 US-09-173-151A-26 Sequence 2	.1 398 4 US-08-441-893A-2 Sequence 2	.1 398 4 US-09-579-845-4 Sequence	.1 398 4 US-08-406-824A-8 Sequence 8	.1 398 5 PCT-US91-03478-2 Sequence 2	.1 418 4 US-09-949-016-9458 Sequence 5	.1 467 4 US-08-030-175-41 Sequence 4	.1 467 4 US-US-U3U-175-42 Sequence 4	.1 479 4 US-09-949-016-6278 Sequence (	.1 522 4 US-09-949-016-7563 Sequence	.1 551 4 US-08-896-537A-2 Sequence 2	.1 729 2 US-08-885-418-6 Sequence (	.1 141 4 US-09-858-664A-15 Sequence 1	.1 141 4 US-10-274-978-16 Sequence 1	.1 260 3 US-08-463-903-2 Sequence 2	.1 260 3 US-07-935-695-2 Sequence 2	.1 260 4 US-08-961-309-64 Sequence (	.1 275 3 US-07-405-17 Sequence 1	.1 584 4 US-09-910-174B-16 Sequence 1	.1 584 4 US-09-620-461-16 Sequence 1	.1 602 3 US-09-303-069-16 Sequence 3	.1 602 3 US-09-134-250-16 Sequence 1	.1 242 2 US-08-224-591-14 Sequence 1	.1 242 2 US-08-926-789-14 Semience 1	.1 242 3 US-09-166-750-23 Sequence 2	.1 242 3 US-09-166-093-23 Sequence 2	.1 242 3 US-09-1/2-U19-23 Sequence .1 242 3 US-09-166-094-23 Sequence ?	.1 242 4 US-09-443-213-23 Sequence 2	.1 244 5 PCT-US93-11138-14 Sequence 1	.1 547 1 US-08-314-362-1 Sequence 1	.1 547 1 US-08-433-010-1 Sequence	.1 54/ 1 US-08-46Z-88Z-1 Sequence 1	.1 547 2 US-08-487-113D-1 Sequence	.1 547 2 US-08-473-503-1 Sequence	.1 547 2 US-08-483-932-1 Sequence 1	1 547 3 US-08-714-017-1 Sequence	.1 547 3 US-08-863-790-1 Sequence 1	
5 6.2 94 2 US-08-341-843B-30 Sequence S 6.2 94 2 US-08-427-497E-35 Sequence S 6.2 94 4 US-08-961-309-70 Sequence S 6.2 431 4 US-08-973-877B-26 Sequence S 6.2 458 4 US-09-773-877B-26 Sequence S 6.2 458 4 US-09-773-	11.5 6.2 567 3 US-09-560-639-7 Sequence 21.5 6.2 567 3 US-09-50-73-151A-24 Sequence 21.5 6.2 567 3 US-09-173-151A-24 Sequence 21.5 6.2 567 3 US-09-173-175-175-175-175-175-175-175-175-175-175	11.5 6.2 56/ 4 US-09-U3Z-33/-39 Sequence 11.1 6.1 275 3 US-08-463-903-6 Sequence 6.1 175 3 US-08-463-903-8 Seminore 5.1 175 6.1 275 3 US-08-463-903-8 Seminore 5.1 175 08-463-903-8	1 6.1 275 3 US-07-935-695-6 Sequence 6 1 275 3 US-07-935-695-6 Sequence 6 1 275 3 US-07-935-695-8	1 6.1 280 3 US-08-463-903-10 Sequence 3	1 6.1 280 3 US-07-935-695-10 Sequence 1 1 6.1 282 3 US-08-463-903-12 Sequence 1	1 6.1 282 3 US-07-935-695-12 Sequence 1	1 6.1 321 3 US-09-361-434-22 Sequence 2	1 6.1 321 3 US-09-635-025-17 Sequence 1	1 6.1 321 3 03-03-035-025-22 Sequence 3 1 6.1 398 1 US-08-091-519-2 Sequence 3	1 6.1 398 1 US-08-442-043A-2 Sequence	1 6.1 398 3 US-09-173-151A-26 Sequence 2	1 6.1 398 4 US-08-441-893A-2 Sequence 2	1 6.1 398 4 US-09-579-845-4 Sequence	1 6.1 398 4 US-08-406-824A-8 Sequence 8	1 6.1 398 5 PCT-US91-03478-2 Sequence 2	1 6.1 418 4 US-09-949-016-9458 Sequence	1 6.1 467 4 US-08-030-175-41 Sequence 4	1 6.1 467 4 US-US-USU-1/5-42 Sequence 4	1 6.1 479 4 US-09-949-016-6278 Sequence (	1 6.1 522 4 US-09-949-016-7563 Sequence	1 6.1 551 4 US-08-896-537A-2 Sequence 2	1 6.1 729 2 US-08-418-6 Sequence (	0.5 6.1 141 4 US-09-858-664A-15 Sequence	6.1 141 4 US-10-274-978-16 Sequence 1	0.5 6.1 260 3 US-08-463-903-2 Sequence 2	0.5 6.1 260 3 US-07-935-695-2 Sequence 2	0.5 6.1 260 4 US-08-961-309-64 Sequence (	0.5 6.1 275 3 US-07-935-695-17 Sequence 3	0.5 6.1 584 4 US-09-910-174B-16 Sequence 1	0.5 6.1 584 4 US-09-620-461-16 Sequence 1	0.5 6.1 602 3 US-09-303-069-16 Sequence 3	0.5 6.1 602 3 US-09-134-250-16 Sequence 1	0 6.1 242 2 US-08-224-591-14 Sequence 1	0 6.1 242 2 US-08-322-330A-23 Sequence 3	0 6.1 242 3 US-09-166-750-23 Sequence 2	0 6.1 242 3 US-09-166-093-23 Sequence 2	0 6.1 242 3 US-09-1/2-U19-23 Sequence 0 6.1 242 3 US-09-166-094-23 Sequence 2	0 6.1 242 4 US-09-443-213-23 Sequence 2	0 6.1 244 5 PCT-US93-11138-14 Sequence 1	0 6.1 547 1 US-08-314-362-1 Sequence 1	0 6.1 547 1 US-08-433-010-1 Sequence	0 6.1 54/ 1 US-US-482-862-1 Sequence 0 6.1 547 2 US-08-483-389-1 Semience 1	0 6.1 547 2 US-08-487-113D-1 Sequence	0 6.1 547 2 US-08-473-503-1 Sequence	0 6.1 547 2 US-08-483-932-1 Sequence 1	6.1 547 3 US-08-714-017-1 Sequence	0 6.1 547 3 US-08-863-790-1 Sequence 1	0 0:1 3 US-08-17-080-1 Sequence 1,

us-09-978-544a-523.rai.spdi

2005
4
8 10:40:56
Jun
Wed

			Sequence 4, Appli Sequence 4, Appli Sequence 25, Appli Sequence 25, Appl Sequence 11026, A Sequence 8, Appli Sequence 21, Appli Sequence 21, Appli Sequence 4, Appli Sequence 4, Appli Sequence 4, Appli Sequence 6, Appli	Sequence 8, Appli Sequence 6, Appli Sequence 32843, A Sequence 48060, A Sequence 22, Appl Sequence 22, Appl Sequence 13, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 6, Appli Sequence 6, Appli Sequence 6, Appli Sequence 6, Appli Sequence 6, Appli Sequence 6, Appli Sequence 7, Appli Sequence 7, Appli Sequence 7, Appli Sequence 7, Appli Sequence 8, Appli Sequence 9, Appli Sequence 9, Appli Sequence 1, Appli Sequence 1, Appli Sequence 2, Appli Sequence 2, Appli
				US-09-621-502-8 US-08-473-981A-6 US-08-474-087-6 US-09-270-767-42034 US-09-270-767-42034 US-09-270-767-42034 US-09-270-767-42034 US-09-773-8778-25 US-09-928-383-8-26 US-09-928-383-6-13 US-10-274-978-14 US-10-274-978-14 US-09-944-807-4 US-09-944-807-4 US-09-245-764-6 US-09-398-496-4
				8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
117 117 116.5 116.5 116.5 116.5 116	116 116 116 116 115 115 115 115 115 115		11111111111111111111111111111111111111	1112
22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				13332 13332 13336 13336 13339 13340 1344 1344 1344 1344 1350 1350
	9192, Ap 9193, Ap 9194, Ap 9195, Ap 9196, Ap 9197, Ap 9198, Ap 9198, Ap 9199, Ap 3, Appli 4, Appli 4, Appli 6, Appli		6, Application of App	13115, A 1832, A 18
Patent No. Batent No. Sequence Sequence Sequence Sequence Sequence Sequence Sequence	Sequence occasions occasio	e connences  e con	Sequence Seq	Sequence Seq
77.242D-4 Page 12.270-4 St. 12.270-4 St. 12.270-4 St. 12.270-4 St. 12.270-4 St. 12.270-4 St. 12.270-6 St. 12.280-28 St. 12.488B-28 St. 12.488	9-016-9193 9-016-9193 9-016-9195 9-016-9195 9-016-9196 9-016-9196 9-016-9198 11-435-3 11-435-3 9-634C-2	33-942-28 3-942-28 3-016-8059 3-016-8139 3-016-8139 6-267-2 0-029-5 0-029-5 1-229-4 1-2318-4 1-03118-3678 0-767-48895 6-536-31	44-071-2 2-043A-16 2-043A-16 6-536-40 11-716-2 11-716-2 11-716-2 11-716-2 1-203-2 5-212-2 5-212-2 5-212-2 6-824A-6 9-016-6000 9-016-6000 9-016-6000 9-016-6000	0-767-33115 Sequenc 3-007A-6 Sequenc 8-496-6 Sequenc 8-496-6 Sequenc 0-029-4 Sequenc 0-029-4 Sequenc 0-029-4 Sequenc 0-029-4 Sequenc 0-029-4 Sequenc 1-847B-6 Sequenc 2-952-2 Sequenc 2-952-2 Sequenc 2-952-2 Sequenc 2-952-3 Sequenc 2-892-4 Sequenc 2-892-4 Sequenc 2-892-5 Sequenc 2-892-7 Sequenc 3-491-34 Sequenc 5-461-34 Sequenc 5-461-34 Sequenc 6-558-34 Sequenc 6-558-34 Sequenc 6-561-34 Sequenc 6-561-34 Sequenc 6-661-34 Sequenc 6-7314-34 Sequenc 6-751-34 Sequenc
6 5455030-7 6 5455030-7 7 050-397-2420-4 3 US-09-462-270-4 4 US-09-949-016-6428 4 US-09-149-476-483 4 US-09-149-476-483 5 US-08-33-4888-28 3 US-08-833-4888-20 4 US-09-499-016-7327	4 US-09-949-016-9193 4 US-09-949-016-9194 4 US-09-949-016-9195 4 US-09-949-016-9195 4 US-09-949-016-9196 4 US-09-949-016-9197 4 US-09-949-016-9199 3 US-09-949-016-9199 3 US-09-949-016-9199 3 US-09-949-016-9199 3 US-09-899-634C-2 2 US-08-855-864A-4 4 US-09-899-634C-4	4 US-09-32-38-4A-2 4 US-09-313-942-28 4 US-09-949-016-8059 2 US-08-26-311-7 4 US-09-949-016-8139 2 US-08-826-267-2 1 US-07-640-029-5 1 US-08-439-922A-5 1 US-08-439-922A-5 1 US-08-22-299-4 2 US-08-34-8178-4 4 US-09-270-76-313-4 4 US-09-270-76-313-4 1 US-09-270-76-313-4 1 US-09-270-76-313-4	1 US-07-904-071-2 1 US-08-442-043A-16 4 US-08-441-893A-16 4 US-08-441-893A-16 1 US-07-821-716-2 3 US-08-316-536-32 3 US-08-324-376-2 3 US-08-173-151A-3 4 US-09-173-151A-3 4 US-09-173-151A-3 4 US-09-173-151A-3 5 PCT-USS4-66-932A-6 4 US-09-949-016-6000 5 PCT-USS4-0244-2 5 PCT-USS4-0244-2 5 PCT-USS4-016-6000	4 US-09-270-767-33115 Sequenc 3 US-09-270-767-48332 Sequenc 3 US-09-398-496-6 Sequenc 3 US-09-131-648-2 Sequenc 3 US-09-131-648-2 Sequenc 1 US-07-640-029-4 Sequenc 1 US-07-821-8078-6 Sequenc 1 US-08-441-944A-6 Sequenc 1 US-08-441-944A-6 Sequenc 1 US-08-441-944A-6 Sequenc 1 US-08-441-948-6 Sequenc 1 US-08-441-948-6 Sequenc 1 US-08-37-892-4 Sequenc 1 US-08-372-892-4 Sequenc 1 US-08-372-892-4 Sequenc 1 US-08-372-892-2 Sequenc 1 US-08-445-640-34 Sequenc 3 US-08-447-314-34 Sequenc 3 US-08-445-461-34 Sequenc 3 US-08-445-461-34 Sequenc 4 US-09-223-490-34 Sequenc 5 US-08-445-461-34 Sequenc
7 236 6 5455030-7 236 6 5455030-7 6 193 4 US-09-397-243D-4 6 205 3 US-09-462-270-4 6 328 4 US-09-949-016-6428 6 329 4 US-09-949-016-6428 6 334 4 US-09-349-016-7327 6 331 4 US-09-349-016-7327 6 253 3 US-08-833-488B-28 6 253 3 US-08-833-488B-28 6 253 3 US-08-833-488B-28 6 253 4 US-08-833-488B-28 6 254 4 US-08-833-488B-28 6 257 4 US-08-833-488B-28	6 477 4 US-09-949-016-9193 6 477 4 US-09-949-016-9193 6 477 4 US-09-949-016-9195 6 477 4 US-09-949-016-9196 6 505 3 US-09-949-016-9199 6 505 3 US-09-949-016-9199 6 505 3 US-09-591-435-3 6 505 3 US-09-591-435-3 6 505 3 US-09-891-6346-4 6 506 505 505 505 505 505 505 505 505 50	6 910 4 08-09-313-942-28 6 569 4 08-09-313-942-28 6 668 4 08-09-949-016-8059 6 668 4 08-09-949-016-8139 6 686 2 08-08-26-267-2 3 3 0 1 08-08-826-267-2 5 3 0 0 1 08-08-34-8 5 993 1 08-08-34-878-4 5 993 2 08-08-34-878-4 5 993 2 08-08-34-878-4 5 993 2 08-08-34-878-4 5 993 4 08-09-270-767-336-8 5 191 4 08-09-270-767-336-8 5 36 1 08-07-904-073-2	5 336 1 US-07-904-071-2 5 36 1 US-08-442-043A-16 5 365 4 US-08-441-893A-16 5 569 1 US-07-821-716-2 5 569 2 US-08-341-36-2 5 569 3 US-08-341-376-2 5 569 3 US-08-34-376-2 5 569 3 US-08-173-151A-31 5 569 4 US-08-466-932A-2 5 569 4 US-08-466-932A-2 5 569 4 US-08-466-948-6 5 569 5 PCT-US94-016-6000 5 569 5 PCT-US94-0214-2 5 569 5 PCT-US94-0214-2 5 569 5 PCT-US94-016-8572	264 4 US-09-270-767-33115 Sequenc 264 4 US-09-270-767-48332 Sequenc 407 3 US-09-398-496-6 Sequenc 5 708 3 US-09-131-648-2 Sequenc 5 733 1 US-07-640-029-4 Sequenc 5 733 1 US-07-640-029-4 Sequenc 5 733 1 US-07-640-029-4 Sequenc 5 733 1 US-07-911-807B-6 Sequenc 5 733 1 US-07-912-922-2 Sequenc 5 825 1 US-07-912-922-2 Sequenc 5 885 1 US-07-912-922-2 Sequenc 5 885 1 US-08-372-892-4 Sequenc 5 894 1 US-08-372-892-4 Sequenc 5 894 1 US-08-372-892-4 Sequenc 6 894 1 US-08-372-892-2 Sequenc 7 894 3 US-08-447-314-34 Sequenc 8 894 4 US-09-223-490-34 Sequenc
0.5 6.7 236 6 5455030-7 0.5 6.7 236 6 5455030-7 120 6.6 193 4 US-09-397-243D-4 120 6.6 328 4 US-09-462-270-4 120 6.6 329 4 US-09-149-476-483 120 6.6 329 4 US-09-149-476-483 120 6.6 332 4 US-09-149-476-483 120 6.6 332 4 US-09-149-476-483 120 6.6 327 4 US-09-149-476-483 120 6.6 361 4 US-09-270-767-45128 120 6.6 197 3 US-08-833-4888-28 120 6.6 477 4 US-09-949-016-320 120 6.6 477 4 US-09-949-016-320	6 6 6 477 4 US-09-949-016-9193 6 6 6 477 4 US-09-949-016-9193 6 6 6 477 4 US-09-949-016-9195 6 6 6 477 4 US-09-949-016-9195 6 6 6 477 4 US-09-949-016-9195 6 6 6 477 4 US-09-949-016-9197 7 6 US-09-949-016-9197 8 6 6 505 3 US-09-949-016-9199 8 6 6 330 2 US-09-55-864A-4 8 6 6 330 2 US-08-825-864A-4 8 6 6 330 2 US-08-825-864A-4 8 6 6 330 2 US-08-825-864A-4	119 6.6 910 4 US-025-28 364A-2. 119 6.6 910 4 US-09-352-364A-2. 118 6.6 553 2 US-08-26-364A-2. 118 6.5 668 4 US-09-949-016-8059 118 6.5 668 2 US-08-826-267-2 118 6.5 300 1 US-08-439-992A-5 118 6.5 993 1 US-08-22-299-4 118 6.5 993 2 US-08-43-878-4 118 6.5 993 2 US-08-34-878-4 118 6.5 993 1 US-08-35-03718-4 119 6.5 993 2 US-08-34-878-4 110 6.5 993 2 US-08-34-878-4 111 6.5 993 2 US-08-34-878-4 112 6.5 191 4 US-09-236-31 113 6.5 993 1 US-08-33-336-336-336-336-336-336-336-336-336	6.5 336 1 US-07-904-071-2 5 6.5 336 1 US-08-442-043A-16 6.5 336 1 US-08-441-893A-16 6.5 365 4 US-08-441-893A-16 5 6.5 569 1 US-07-821-716-2 5 6.5 569 3 US-08-31-716-2 5 6.5 569 3 US-08-18-2 5 6.5 569 3 US-08-685-212-2 5 6.5 569 4 US-08-466-932A-2 6 6.5 569 4 US-08-466-932A-2 6 6.5 569 5 PCT-US94-016-6000 5 6.5 569 5 PCT-US94-016-6000 5 6.5 569 6 US-08-49-016-6000 5 6.5 569 7 US-08-848-6 5 6.5 569 8 PCT-US94-016-8572 6 6.5 569 8 US-08-868-244-2 6 6.5 569 8 PCT-US94-016-8572	264 4 US-09-270-767-33115 Sequenc 264 4 US-09-270-767-48332 Sequenc 407 3 US-09-370-767-48332 Sequenc 407 3 US-09-398-496-6 Sequenc 708 3 US-09-398-496-6 Sequenc 708 3 US-09-131-648-2 Sequenc 708 3 US-09-131-648-2 Sequenc 708 3 US-08-441-9448-6 Sequenc 708 3 US-08-441-9448-6 Sequenc 708 3 US-08-441-9448-6 Sequenc 825 1 US-08-441-9448-6 Sequenc 825 1 US-08-441-948-6 Sequenc 885 1 US-08-31-892-4 Sequenc 885 1 US-08-319-34 Sequenc 894 1 US-08-372-892-2 Sequenc 894 1 US-08-372-892-2 Sequenc 894 3 US-08-447-314-34 Sequenc 894 3 US-08-447-314-34 Sequenc 894 4 US-09-223-490-34 Sequenc 894 4 US-09-223-490-34 Sequenc 894 4 US-09-249-016-7595 Sequenc

ednence ednence ednence ednence ednence ednence	quence 10, quence 270, quence 196	equence 26 equence 21 equence 21 %	quence 13. quence 213 quence 136	equence 229	quence 26, quence 19(	equence 220	equence 8, equence 13,	equence 8, equence 13,	quence 11, quence 8,	quence 11,	equence 11, equence 11,	equence 1999 equence 1999 equence 8,	equence 22(	equence 146 equence 233	quence 150 quence 250 quence 180	e 25,	equence 27] equence 197	equence 268	quence 26. quence 186	equence 274 equence 200	quence 33.	11040	quence 9(	equence 3(	quence 8	equence 33	equence 4, equence 4,	quence 1,	equence 7,	equence 28	Sequence 33, Appl Sequence 4, Appli Sequence 9, Appli
1011	-753 -467 -411	4111	S-08-467 S-08-411	S-08-467 S-08-411	467	411	847	S-08-456 S-08-456	456	S-08-440	173	S-0	CT- S-0	S-08-411-295F-14 S-08-467-602-232	US-08-411-295F-158 US-08-467-602-259 US-08-411-295F-185	S-0	S-0	S-0 S-0	8-0 8-0	S-08-467-602-274 S-08-411-295F-20	S-0	S-09-949-016-110	S-09-949-016-90	S-0	US-09-398-496-8	0-S	8-0 8-0	US-08-979-424-1	0-0	0-s	US-08-168-091A-33 US-08-833-488B-4 US-08-833-488B-9
6626 6636 6636 6637 6650 6650 6650 6650 6650 6650 6650 665				• •											684 684 4 4 4																165 1 197 3 197 3
					-, -, -			-, -, -				: -: -:		-,,			-,,						; -:				٠.٠.	٠.	. ` . `	6.7	6.7 6.7 6.7
122.5 122.5 122.5 122.5 122.5	~~~~~			~ ~	منمن		~ ~ .	~ ~ .						~ ~ .		~ .	~ ~	~ ~	~ ~	~ ~	122	122	122	122	122	2 6	121.5 121.5	_: :	v ~ r	12	120.5 120.5 120.5
0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	w 44 10 70 b	~ m m c		w 44.	.0 .0 .	- m c	m O .	- ~ .	70 e# 11	n 10 F	- m m		. ~ ~	<b>=</b> 10 1	o <b>/</b> m	<b>.</b>	- ~	m ==	n 10	~ ~	159	161	163	164	997	- m	m 0		182	~ =#	10 10 10
		1111	112	112	112	112	112									нн			нн —	급급 		i <del>-i</del> -				-					
Sequence 4, Applis 11 Sequence 4, Applis 11 Sequence 27, Appl Sequence 93, Appl Sequence 93, Appl 11 Sequence 33, Appl 11 Sequence 37, Appl 11	9, Appli 9, Appli 9, Appli 9, Appli 11	2, Appli 2, Appli 5169935 111 5169935 111	9, Appli 112 35, Appl 112	2, Appli 112 380, App 112	18, Appl 18, Appl 19,	18, App. 1	145, App 1 215, App 1	141, App 1 223, App 1	149, App 1 261, App 1	257, App 193	163, App 1911, A	218, App 144, App 1	213, App 139, App 1	227, App 1 153, App 1	224, App 150, App 221, App	147, App 1 230, App 1	260	186, App 1 9, Appli 1	9, Appli 255, App 1	181, App 1 269, App 1	195, App 1	192, App 1	189, App	272, App 1 198, App 1	216, App	142, App	140, App 1 228, App 1	154, App	151, App 1	9 6	26, Appl 1 26, Appl 1 222, App 1
Sequence 4, Applis 1 Sequence 27, Applis 1 Sequence 93, Appl Sequence 27, Appl 1	Sequence 9, Appli	Sequence 2, Appli 111 Sequence 2, Appli 111 Patent No. 5169835   111 Datent No. 516985   111	Sequence 3, Appli 112 Sequence 35, Appli 112	Sequence 2, Appli 112 Sequence 380, App 112	Sequence 18, Appl Sequence 18, Appl 1	Sequence 19, App	Sequence 145, App	Sequence 141, App	Sequence 149, App	Sequence 257, App 1	Sequence 165, App 1 Sequence 265, App 1 Sequence 191, App 1	Sequence 118, App   Sequence 144, App   1	Sequence 213, App Sequence 139, App	Sequence 227, App 1 Sequence 153, App 1	Sequence 224, App 1 Sequence 150, App 1 Sequence 221, App 1	Sequence 147, App 1 Sequence 230, App 1	Sequence 156 Sequence 260	Sequence 186, App 1 Sequence 9, Appli	Sequence 9, Appli Sequence 255, App	Sequence 181, App 1 Sequence 269, App 1	Sequence 195, App 1 Sequence 266, App 1	Sequence 192, App	Sequence 189, App	Sequence 272, App 1 Sequence 198, App 1	Sequence 216, App	Sequence 214, App	Sequence 140, App 1 Sequence 228, App 1	Sequence 154, App	Sequence 151, App	Sequence 26, Sequence 26,	Sequence 26, Appl 1 Sequence 26, Appl 1 Sequence 222, App 1
1 US-08-428-298-4 Sequence 4, Appli 1 US-08-428-298-4 Sequence 4, Appli 1 US-08-456-241-27 Sequence 27, Appli 1 1 US-09-401-27 Sequence 27, Appl 1 1 US-09-0101-544-33 Sequence 93, Appl 1 1 US-09-097-681-3 Sequence 37, Appl 1 1 US-09-097-681-3 Sequence 27, Appl 1 US-09-097-681-3 Sequence 27, Appl 1 US-09-097-681-3 Sequence 27, Appl 1 US-07-07-07-07-07-07-07-07-07-07-07-07-07-	1 US-07-847-743B-9 Sequence 9, Appli 1 US-08-456-201-9 Sequence 9, Appli 1 US-08-456-241-9 Sequence 9, Appli 1 S PCT-US92-04295A-9 Sequence 9, Appli 1 S PCT-059-254-465B-2 Sequence 9, Appli 1	4 US-09-224-462A-2 Sequence 2, Appli 111 4 US-09-953-499-2 Sequence 2, Appli 111 6 5169835-4 Patent No. 5169835 111 6 5169835-4 Datent No. 5169835 112	2 US-08-173-151A-35 Sequence 35, Appli 112	1 US-08-339-578-2 Sequence 2, Appli 112 4 US-08-467-602-380 Sequence 380, App 112	1 US-08-096-277-18 Sequence 18, Appl 1 2 US-08-550-815-18 Sequence 18, Appl 1 2 TG-08-273-000-10 Sequence 18, Appl 1	4 US-08-407-118 Sequence 18, App. 1	4 US-08-411-29F-145 Sequence 145, App 1 4 US-08-467-602-215 Sequence 215, App 1	4 US-08-411-295F-141 Sequence 141, App 1 4 US-08-475-002-223 Sequence 223, App 1	4 US-08-411-295F-149 Sequence 149, App 1 4 US-08-467-602-261 Sequence 261, App 1 10-00-411-060-107 Sequence 261, App 1	4 US-08-411-2021-10) Orquence 10:, App 1 US-08-401-602-257 Sequence 25:, App 1 1 US-08-411-2062-183 Sequence 10: App 1 1	4 US-08-411-2235-163 ocquence 183, App 1 4 US-08-467-602-265 Semience 265, App 1 4 US-08-411-2597-191 Semience 191, App 1	4 US-08-467-62-218 Sequence 131, App. 14 US-08-411-295F-144 Sequence 144, App. 1	4 US-08-467-602-213 Sequence 213, App 1 4 US-08-411-295F-139 Sequence 139, App 1	4 US-08-467-602-227 Sequence 227, App 1 4 US-08-411-295F-153 Sequence 153, App 1	4 US-08-408-402-224 Sequence 224, App 1 4 US-08-411-295F-150 Sequence 150, App 1 4 US-08-467-602-221 Sequence 221, App 1	4 US-08-411-295F-147 Sequence 147, App 1 4 US-08-467-602-230 Sequence 230, App 1	4 US-08-411-295F-156 Sequence 156 4 US-08-467-602-260 Sequence 260	4 US-08-411-295F-186 Sequence 186, App 1 3 US-08-753-007A-9 Sequence 9, Appli	3 US-09-398-496-9 Sequence 9, Appli 4 US-08-467-602-255 Sequence 255, App	4 US-08-411-295F-181 Sequence 181, App 1 4 US-08-467-602-269 Sequence 269, App 1	4 US-08-411-295F-195 Sequence 195, App 1 4 US-08-467-602-266 Sequence 266, App 1	4 US-08-411-295F-192 Sequence 192, App	4 US-08-411-295F-189 Sequence 189, App 1	4 US-08-467-602-272 Sequence 272, App 1 4 US-08-411-295F-198 Sequence 198, App 1	4 US-08-467-602-216 Sequence 216, App	4 US-08-467-602-214 Sequence 214, App 1	4 US-08-411-295F-140 Sequence 140, App 1 4 US-08-467-602-228 Sequence 228, App 1	4 US-08-411-295F-154 Sequence 154, App	4 US-08-411-295F-151 Sequence 151, App 1 116-77-77-205-26	1 US-08-456-201-26 Sequence 26,	2 US-08-456-241-26 Sequence 26, Appl 1 5 PCT-US92-04295A-26 Sequence 26, Appl 1 4 US-08-467-602-222 Sequence 222, App 1
US-08-428-298-4 Sequence 4, Appli 1 US-08-39-51-4 Sequence 4, Appli 1 US-08-456-241-27 Sequence 27, Appli 1 US-09-020-880-93 Sequence 93, Appl 1 US-09-101-544-93 Sequence 93, Appl 1 US-09-097-681-3 Sequence 37, Appl 1 US-09-097-681-3 Sequence 27, Appl 1	.8 732 1 US-07-847-743B-9 Sequence 9, Appli 1 .8 732 1 US-08-456-201-9 Sequence 9, Appli 1 .8 732 2 US-08-456-241-9 Sequence 9, Appli 1 .8 732 5 PCT-US-2-04295A-9 Sequence 9, Appli 1 .8 731 4 IIS-04-254-465a-2 Sequence 9, Appli 1	.e 321 4 US-09-224-462A-2 Sequence 2, Appli 111 .8 321 4 US-09-953-499-2 Sequence 2, Appli 111 .8 354 6 5169835-4 Patent NO. 5169835 111 .8 354 6 5169835-4 Datent NO. 5169835 112	. 573 C. 17.0202.3 FACUL NO. 310903.3 112. .8 668 3 US-08-263-911-9 Sequence 39, Appli 112.	.8 821 1 US-08-339-578-2 Sequence 2, Appli 112 .8 133 4 US-08-467-602-380 Sequence 380, App 112	.8 161 1 US-08-096-277-18 Sequence 18, Appl 1 .8 161 2 US-08-550-815-18 Sequence 18, Appl 1 .9 161 2 US-08-550-815-18 Sequence 18, Appl 1	.8 207 4 US-08-62-19 Sequence 18, App. 1	.8 210 4 US-08-411-295F-145 Sequence 145, App 1 .8 210 4 US-08-467-602-215 Sequence 215, App 1	.8 210 4 US-08-411-295F-141 Sequence 141, App 1 .8 230 4 US-08-467-602-223 Sequence 223, App 1	230 4 US-08-411-225F-149 Sequence 149, App 1 8 241 4 US-08-46-602-261 Sequence 261, App 1	.8 244 4 US-00-111-201-12) Sequence 10), App. 1 8 244 4 US-04-167-5602-257 Sequence 257, App. 1 8 244 4 US-08-411-2955-182 Sequence 103 App. 1	.8 264 4 US-08-411-2501-165 Sequence 265, App. 1 8 264 4 US-08-467-265 Sequence 265, App. 1 8 264 4 US-08-411-2515 Sequence 191 App. 1	.8 386 4 US-08-411-295F-144 Sequence 144, App 1	.8 389 4 US-08-467-602-213 Sequence 213, App 189 4 US-08-411-295F-139 Sequence 139, App 1	.8 395 4 US-08-467-602-227 Sequence 227, App 1 .8 395 4 US-08-411-295F-153 Sequence 153, App 1	.8 398 4 US-08-45/-02-224 Sequence 224, App 1.8 398 4 US-08-411-295F-150 Sequence 150, App 1.8 409 4 US-08-467-602-221 Sequence 221, App 1.9	.8 409 4 US-08-411-295F-147 Sequence 147, App 1 .8 418 4 US-08-467-602-230 Sequence 230, App 1	.8 418 4 US-08-411-295F-156 Sequence 156 .8 420 4 US-08-467-602-260 Sequence 260	.8 420 4 US-08-411-295F-186 Sequence 186, App 1 .8 422 3 US-08-753-007A-9 Sequence 9, Appli	.8 422 3 US-09-398-496-9 Sequence 9, Appli .8 423 4 US-08-467-602-255 Sequence 255, App	.8 423 4 US-08-411-295F-181 Sequence 181, App 1 .8 429 4 US-08-467-602-269 Sequence 269, App 1	.8 429 4 US-08-411-295F-195 Sequence 195, App 1 .8 432 4 US-08-467-602-266 Sequence 266, App 1	8 432 4 US-08-411-295F-192 Sequence 192, App	.8 443 4 US-08-411-295F-189 Sequence 189, App. 1	.8 452 4 US-08-467-602-272 Sequence 272, App 1 .8 452 4 US-08-411-295F-198 Sequence 198, App 1	.8 603 4 US-08-467-602-216 Sequence 216, App	.8 606 4 US-08-467-602-214 Sequence 214, App. 1	.8 606 4 US-08-411-295F-140 Sequence 140, App 1 .8 612 4 US-08-467-602-228 Sequence 228, App 1	.8 612 4 US-08-411-295F-154 Sequence 154, App	.8 615 4 US-08-101-295F-151 Sequence 121, App 1	.8 625 1 US-08-456-201-26 Sequence 26,	.8 625 2 US-08-456-241-26 Sequence 26, Appl 1 8 625 5 PCT-US-22-042958-26 Sequence 26, Appl 1 8 626 4 US-08-467-602-222 Sequence 222, App 1
1.8 645 1 US-08-428-298-4 Sequence 4, Appli 1 US-08-428-298-4 Sequence 4, Appli 1 US-08-329-51-4 Sequence 27, Appli 1 US-08-329-51-27 Sequence 27, Appli 1 US-08-020-880-93 Sequence 93, Appl 1 US-09-101-544-93 Sequence 93, Appl 1 US-09-097-681-3 Sequence 37, Appl 1 US-09-097-681-3 Sequence 27, Appl 1 US-03-04295A-27 Sequence 27, Appl 1 US-03-04295A-27 Sequence 27, Appl 1 US-03-04-27-328-37 Sequence 27, Appl 1 US-03-04-328-37 Sequence 28, Appl 2 US-03-04-328-37 Sequence 28, Appl 2 US-03-04-328-328-328-328-328-328-328-328-328-328	23.5 6.8 732 1 US-07-847-743B-9 Sequence 9, Appli 1 23.5 6.8 732 1 US-08-456-201-9 Sequence 9, Appli 1 23.5 6.8 732 2 US-08-456-241-9 Sequence 9, Appli 1 23.5 6.8 732 5 PCT-US92-04258A-9 Sequence 9, Appli 1 23.5 6.8 731 6 IIS-08-2-04258A-9 Sequence 9, Appli 1	23 0.0 321 4 US-U9-294-402A-2 Sequence 2, Appli 111 23 6.8 321 4 US-U9-953-499-2 Sequence 2, Appli 111 23 6.8 354 6 5169835-4 Patent NO. 5169835   111 23 6 8 354 6 5169835-4 Datent NO. 5169035   113	23 6.8 668 3 US-09-173-151A-35 Sequence 35, Appli 112	123 6.8 821 1 US-08-339-578-2 Sequence 2, Appli 112 22.5 6.8 133 4 US-08-467-602-380 Sequence 380, App 112	22.5 6.8 161 1 US-08-096-277-18 Sequence 18, Appl 1 22.5 6.8 161 2 US-08-550-815-18 Sequence 18, Appl 1 22.5 6.8 161 2 US-08-550-815-18 Sequence 18, Appl 1	22.5 6.8 207 4 US-08-703-219 Sequence 18, App. 1	22.5 6.8 207 4 US-08-411-295F-145 Sequence 145, App 1 22.5 6.8 210 4 US-08-467-602-215 Sequence 215, App 1	22.5 6.8 210 4 US-08-411-295F-141 Sequence 141, App 1 22.5 6.8 230 4 US-08-467-602-223 Sequence 223, App 1	22.5 6.8 230 4 US-08-411-225F-149 Sequence 149, App 1 22.5 6.8 241 4 US-08-467-602-261 Sequence 261, App 1	22.5 6.8 244 4 US-08-111-62.257 Sequence 257, App 1	22.5 6.8 264 4 US-08-411-22-265 Sequence 265, App 1 22.5 6.8 264 4 US-08-411-265-265 Seminore 265, App 1 22.5 6.8 264 4 US-08-411-265-191 Seminore 191, App 1	22.5 6.8 386 4 US-08-411-295F-144 Sequence 144, App 1	22.5 6.8 389 4 US-08-467-602-213 Sequence 213, App 1 22.5 6.8 389 4 US-08-411-295F-139 Sequence 139, App 1	22.5 6.8 395 4 US-08-467-602-227 Sequence 227, App 1 22.5 6.8 395 4 US-08-411-295F-153 Sequence 153, App 1	22.5 6.8 398 4 US-08-45/-502-224 Sequence 224, App 1 22.5 6.8 398 4 US-08-411-2957-150 Sequence 150, App 1 22.5 6.8 409 4 US-08-467-602-221 Sequence 221, App 1	22.5 6.8 409 4 US-08-411-295F-147 Sequence 147, App 1 22.5 6.8 418 4 US-08-467-602-230 Sequence 230, App 1	22.5 6.8 418 4 US-08-411-295F-156 Sequence 156 22.5 6.8 420 4 US-08-467-602-260 Sequence 260	22.5 6.8 420 4 US-08-411-295F-186 Sequence 186, App 1 22.5 6.8 422 3 US-08-753-007A-9 Sequence 9, Appli	22.5 6.8 422 3 US-09-398-496-9 Sequence 9, Appli 22.5 6.8 423 4 US-08-467-602-255 Sequence 255, App	22.5 6.8 423 4 US-08-411-295F-181 Sequence 181, App 1 22.5 6.8 429 4 US-08-467-602-269 Sequence 269, App 1	22.5 6.8 429 4 US-08-411-295F-195 Sequence 195, App 1 22.5 6.8 432 4 US-08-467-602-266 Sequence 266, App 1	22.5 6.8 43.2 4 US-08-411-295F-192 Sequence 192, App 12.5 5 6 8 443 4 US-08-467-602-263 Sequence 263 2nn	22.5 6.8 443 4 US-08-411-295F-189 Sequence 189, App 1	22.5 6.8 452 4 US-08-467-602-272 Sequence 272, App 1 22.5 6.8 452 4 US-08-411-295F-198 Sequence 198, App 1	22.5 6.8 603 4 US-08-467-602-216 Sequence 216, App	22.5 6.8 606 4 US-08-467-602-214 Sequence 214, App 1	22.5 6.8 606 4 US-08-411-295F-140 Sequence 140, App 1 22.5 6.8 612 4 US-08-467-602-228 Sequence 228, App 1	22.5 6.8 612 4 US-08-411-295F-154 Sequence 154, App 1	22.5 6.8 615 4 US-08-10.7 002-22.5 Sequence 22.5 6.8 615 4 US-08-10.7 002-26.	22.5 6.8 625 1 US-08-456-201-26 Sequence 26,	.5 6.8 625 2 US-08-456-241-26 Sequence 26, Appl 1 .5 6.8 625 5 PCT-US92-04295A-26 Sequence 26, Appl 1 .5 6.8 626 4 US-08-467-602-222 Sequence 222, App 1

05
2005
: 56
:40:
4:
10
1
ω
Jun
Ŗ
Wed

us-09-978-544a-523.rai.spdi

Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 3, Appli	equence 2	equence 3, equence 4,	equence 4	equence 4,	equence 4	equence 2,	equence 2,	equence 2, equence 2,	equence 2,	equence 2,	equence 5,	equence 5,	equence 5,	equence 5,	equence 2,	equence 2,	equence 2,	ednence 9,	equence 9,	equence 61	equence 1,	equence 2,	equence 54	equence 15	equence 38	equence 10	equence 10	equence 35 equence 35	equence 4,	equence 4,	equence 4,	equence 4,	equence 4,	equence 2,	equence 67	equence 38	equence 30	equence 30	equence 30	equence 30	equence 29	equence 23	aguence 29	equence 28	equence 28	equence 28	equence 27	equence 27	equence 4,
US-09-872-136B-2 PCT-US92-02750-2 PCT-US92-05401-2 PCT-US92-09893-2 US-08-979-474-3											US-08-286-305A-5								US-09-620-461-9		US-08-724-394A-1													US-08-252-626A-2					US-08-456-241-30								US-07-847-743B-27		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																																																	
7.00		<u> </u>	0.0	. 0.	0.0	. 0.	0.0	. 0.	0.0	0.0	. 0.	0.0	0.0	. 0	. 0.	0.	ກຸດ	. თ.	σ.	ص م	. 0.	<u>ه</u> . د	י ס	. 0.	ه ِه	. 0.	σ, α	. o.	0.0	. o.	٥.	<u>ب</u> و	. 6.	6.6	ם פ		æ. «		. 00	80.	۰. ۵	α α		ھ	φ. α	<b>20 00</b>	80	۰ م	ص a
127 127 127 127 26.5	56.5	126 126	126	126	126	126	126	126	126	126	126	126	126	126	126	12	. ic		ıń.			ᆿ.	4 6	4.	24.	24.	24.	124	124	124	124	124	124	124	124	ا	φ.	23.5	. n	е.	ė,		i m	ë.	'n,	٠. س	'n	m	
960 961 963 964	1 11 11	67 68	69	71	27.	74	75	77	78	79 80	81	82	83		98				91 12				٦.	-	-		-	04	05	07	80	9.0	11	12	1.3	٦	Η,		1 ~	-	П.	٦.	4 ~4	-	Н,		ı	Н,	
<b></b>																													,											-									
Sequence 21, Appl Sequence 14, Appl Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli	Sequence 2, Appli Sequence 2, Appli	2, Appli 2, Appli	4, Appli 2. Appli	2, Appli	2, Appli	4, Appli	4, Appli	1, Appl	18, Appl	20, Appi 22. Appi	2, Appli	2, Appli	76, Appl	11122. A	2, Appli	2, Appli	Z, Appli	2, Appli	2, Appli	2, Appli	8, Appli	42, Appl	33, Appi 33, Appi	4, Appli	184, App	6729, Ap	Sequence 7564, Ap	Sequence 28, Appl	Sequence 19, Appl	Sequence 19, Appl	Sequence 19, Appl	Segmence 19, Appl	Sequence 8574, Ap	Sequence 7119, Ap	Sequence 3, Appil	2, Appli	190, App	190, App	2, Appli	76, Appl	94, Appl	Sequence 2, Appli	Sequence 8211, Ap	Sequence 11050, A	Sequence 2, Appli	Sequence 2, Appli Sequence 2, Appli	Sequence 2, Appli	2, Appli	2, Appli
Sequence Sequence Sequence Sequence Sequence	Sequence	Sequence 2, Appli Sequence 2, Appli	Sequence 4, Appli Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 16, Appl	Sequence 18, Appl	Sequence 20, Appi Sequence 22, Appi	Sequence 2, Appli	Sequence 2, Appli	Sequence 76, Appl	Sequence 11122. A	Sequence 2, Appli	Sequence 2, Appli	Segmence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 8, Appli	Sequence 42, Appl	Sequence 33, Appl	Sequence 4, Appli	Seguence 184, App	Sequence 6729, Ap	Sequence	Sequence	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Sequence 2, Appli	Sequence 190, App	Sequence 190, App Sequence 383, App	Sequence 2, Appli	Sequence 76, Appl	Sequence 94, Appl	Seguence	Sequence	) Sequence	Sequence	Sequence	Sequence	Sequence 2, Appli	Sequence 2, Appli
4 US-09-684-708A-21 Sequence 4 US-09-866-510-14 Sequence 1 US-08-180-195-2 Sequence 1 US-08-168-917-2 Sequence 1 US-08-477-329-2 Sequence	2 US-08-475-458-2 Sequence 2 US-08-460-510-2 Sequence	2 US-08-460-490-2 Sequence 2, Appli 3 US-08-980-400-2 Sequence 2, Appli	3 US-08-462-728-4 Sequence 4, Appli 3 US-09-583-459A-2 Sequence 2, Appli	3 US-09-583-210-2 Sequence 2, Appli	3 US-09-583-449A-2 Sequence 2, Appli	3 US-08-461-917-4 Sequence 4, Appli	4 US-08-464-436-4 Sequence 4, Appli	4 US-09-866-510-16 Sequence 16, Appl	4 US-09-866-510-18 Sequence 18, Appl	4 US-US-866-510-20 Sequence 20, Appl 4 US-09-866-510-22 Sequence 22. Appl	5 PCT-US92-00730-2 Sequence 2, Appli	5 PCT-US92-00862-2 Sequence 2, Appli	4 US-09-152-060-76 Sequence 76, Appl	4 US-09-949-016-11122 Sequence 11122. A	3 US-08-477-460B-2 Sequence 2, Appli	3 US-08-379-516-2 Sequence 2, Appli	3 US-09-329-916-2 Sequence 2, Appl1 3 US-08-485-372A-2 Sequence 2, Appl1	3 US-09-409-006A-2 Sequence 2, Appli	4 US-08-484-681-2 Sequence 2, Appli	4 US-US-766-395-2 Sequence 2, Appli 5 PCT-US93-07422-2 Sequence 2, Appli	4 US-09-604-107A-8 Sequence 8, Appli	4 US-09-336-536-42 Sequence 42, Appl	4 US-US-336-336-33 Sequence 33, Appl 3 US-09-173-151A-33 Sequence 33, Appl	1 US-07-912-952-4 Sequence 4, Appli	3 US-09-188-930-184 Sequence 184, App 4 US-09-312-283C-184 Sequence 184 App	4 US-09-949-016-6729 Sequence 6729, Ap	4 US-09-949-016-7564 Sequence	4 US-09-336-536-29 Sequence	2 US-08-392-338A-19 Sequence	3 US-09-166-093-19 Sequence	3 US-09-172-019-19 Sequence	3 US-US-166-US4-19 Sequence 4 US-09-443-213-19 Sequence	4 US-09-949-016-8574 Sequence	4 US-09-949-016-7119 Sequence	3 US-09-363-630-3 4 US-08-411-295F-121 Seguence	3 US-08-341-018-2 Sequence 2, Appli	3 US-08-470-335-190 Sequence 190, App	3 US-U8-470-339-190 Sequence 190, App 14 US-08-467-602-383 Sequence 383, App 1	4 US-08-411-295F-2 Sequence 2, Appli	4 US-08-411-295F-76 Sequence 76, Appl	4 US-08-411-295F-94 Sequence 94, Appl	3 IIS-09-038-832-4 Sequence	4 US-09-949-016-8211 Sequence	4 US-09-949-016-11050 Sequence	1 US-07-813-593-2 Sequence	1 US-07-977-451-2 Sequence 1 US-07-946-507-2 Sequence	1 US-08-252-517-2 Sequence	1 US-07-906-397A-2 Sequence 2, Appli	1 US-08-601-891-2 Sequence 2, Appli
.3 782 4 US-09-684-708A-21 Sequence .3 1090 4 US-09-866-510-14 Sequence .3 1106 1 US-08-180-195-2 Sequence .3 1106 1 US-08-168-917-2 Sequence .3 1106 1 US-08-477-329-2 Sequence	.3 1106 2 US-08-475-458-2 Sequence 3 1106 2 US-08-460-510-2 Sequence	.3 1106 2 US-08-460-490-2 Sequence 2, Appli .3 1106 3 US-08-980-400-2 Sequence 2, Appli	.3 1106 3 US-08-462-728-4 Sequence 4, Appli .3 1106 3 US-09-583-459A-2 Sequence 2, Appli	.3 1106 3 US-09-583-210-2 Sequence 2, Appli	.3 1106 3 US-09-583-449A-2 Sequence 2, Appli	.3 1106 3 US-08-461-917-4 Sequence 4, Appli	.3 1106 4 US-08-464-436-4 Sequence 4, Appli	.3 1106 4 US-09-866-510-16 Sequence 16, Appl	.3 1106 4 US-09-866-510-18 Sequence 18, Appl	.3 1106 4 US-U9-866-510-20 Sequence 20, Appl .3 1106 4 US-09-866-510-22 Sequence 22, Appl	.3 1106 5 PCT-US92-00730-2 Sequence 2, Appli	.3 1106 5 PCT-US92-00862-2 Sequence 2, Appli	.2 298 4 US-09-152-060-76 Sequence 76, Appl	.2 315 4 US-09-31-21-21 Sequence 11122. A	.2 432 3 US-08-477-460B-2 Sequence 2, Appli	.2 432 3 US-08-379-516-2 Sequence 2, Appli	.2 432 3 US-US-329-916-2 Sequence 2, Appl1 .2 432 3 US-08-485-372A-2 Sequence 2, Appli	.2 432 3 US-09-409-006A-2 Sequence 2, Appli	.2 432 4 US-08-484-681-2 Sequence 2, Appli	.2 432 5 PCT-US93-07422-2 Sequence 2, Appli .2 432 5 PCT-US93-07422-2 Sequence 2, Appli	.2 466 4 US-09-604-107A-8 Sequence 8, Appli	.2 249 4 US-09-336-536-42 Sequence 42, Appl	.2 394 4 05-09-336-336-33 Sequence 33, Appl .2 802 3 US-09-173-151A-33 Sequence 33, Appl	.2 728 1 US-07-912-952-4 Sequence 4, Appli	.1 340 3 US-09-188-930-184 Sequence 184, App	.1 417 4 US-09-949-016-6729 Sequence 6729, Ap	.1 456 4 US-09-949-016-7564 Sequence	.1 370 4 US-09-336-536-28 Sequence	.1 483 2 US-08-392-338A-19 Sequence	.1 483 3 US-09-166-093-19 Sequence	.1 483 3 US-09-172-019-19 Sequence	.1 483 4 US-09-443-213-19 Sequence	.1 483 4 US-09-949-016-8574 Sequence	.1 795 4 US-09-949-016-7119 Sequence	.1 100 4 US-08-411-295F-121 Sequence	.1 206 3 US-08-341-018-2 Sequence 2, Appli	1.1 206 3 US-08-470-335-190 Sequence 190, App	.1 206 3 US-08-4/0-339-190 Sequence 190, App .1 206 4 US-08-467-602-383 Sequence 383, App .1	1 206 4 US-08-411-295F-2 Sequence 2, Appli	1 206 4 US-08-411-295F-76 Sequence 76, Appl	.1 241 4 US-08-411-295F-94 Sequence 94, Appl	.1 431 3 US-U3-U38-832-2 Sequence .1 431 3 US-09-038-832-4 Sequence	.1 447 4 US-09-949-016-8211 Sequence	.0 383 4 US-09-949-016-11050 Sequence	.0 992 1 US-07-813-593-2 Sequence	.0 992 1 US-07-946-507-2 Sequence	.0 992 1 US-08-252-517-2 Sequence	0 992 1 US-07-906-397A-2 Sequence 2, Appli	.0 992 1 US-08-601-891-2 Sequence 2, Appli 1
/82 4 US-09-684-708A-21 Sequence 1090 4 US-09-866-510-14 Sequence 1106 1 US-08-180-195-2 Sequence 1106 1 US-08-168-917-2 Sequence 1106 1 US-08-477-329-2 Sequence	7.3 1106 2 US-08-475-458-2 Sequence 7.3 1106 2 US-08-460-5110-2 Sequence 7.3 1106 2 US-08-460-5110-2 Sequence	7.3 1106 2 US-08-460-490-2 Sequence 2, Appli 7.3 1106 3 US-08-980-400-2 Sequence 2, Appli	7.3 1106 3 US-08-462-728-4 Sequence 4, Appli 7.3 1106 3 US-09-583-459A-2 Sequence 2, Appli	7.3 1106 3 US-09-583-210-2 Sequence 2, Appli	7.3 1106 3 US-09-583-449A-2 Sequence 2, Appli	7.3 1106 3 US-08-461-917-4 Sequence 4, Appli	7.3 1106 4 US-08-464-436-4 Sequence 4, Appli	7.3 1106 4 US-09-866-510-16 Sequence 16, Appl	7.3 1106 4 US-09-866-510-18 Sequence 18, Appl	7.3 1106 4 US-09-866-510-20 Sequence 20, Appl 7.3 1106 4 US-09-866-510-22 Sequence 22. Appl	7.3 1106 5 PCT-US92-00730-2 Sequence 2, Appli	131 7.3 1106 5 PCT-US92-00862-2 Sequence 2, Appli	0.5 7.2 298 4 US-09-152-060-76 Sequence 76, Appl	0.5 7.2 315 4 US-09-949-016-11122 Sequence 11122. A	0.5 7.2 432 3 US-08-477-460B-2 Sequence 2, Appli	0.5 7.2 432 3 US-08-379-516-2 Sequence 2, Appli	0.5 7.2 432 3 US-08-485-372A-2 Sequence 2, Appl.1	0.5 7.2 432 3 US-09-409-006A-2 Sequence 2, Appli	7.2 432 4 US-08-484-681-2 Sequence 2, Appli	0.5 7.2 432 5 PCT-11S91-07422-2 Sequence 2, Appli	0.5 7.2 466 4 US-09-604-107A-8 Sequence 8, Appli	7.2 249 4 US-09-336-526-42 Sequence 42, Appl	7.2 802 3 US-09-173-151A-33 Sequence 33. Appl	7.2 728 1 US-07-912-952-4 Sequence 4, Appli	7.1 340 3 US-09-188-930-184 Sequence 184, App	7.1 417 4 US-09-949-016-6729 Sequence 6729, Ap	7.1 456 4 US-09-949-016-7564 Sequence	7.1 370 4 US-09-336-536-28 Sequence	7.1 483 2 US-08-392-338A-19 Sequence	7.1 483 3 US-09-166-093-19 Sequence	7.1 483 3 US-09-172-019-19 Sequence	7.1 483 4 US-09-443-213-19 Sequence	7.1 483 4 US-09-949-016-8574 Sequence	7.1 795 4 US-09-949-016-7119 Sequence	128 /.1 800 3 US-09-383-530-3 Sequence 7.5 7.1 100 4 US-08-411-295F-121 Sequence	7.5 7.1 206 3 US-08-341-018-2 Sequence 2, Appli	7.5 7.1 206 3 US-08-470-335-190 Sequence 190, App	7.1 206 4 US-470-339-190 Sequence 190, App 7.1 206 4 US-08-467-602-383 Sequence 383, App 1	7.5 7.1 206 4 US-08-411-295F-2 Sequence 2, Appli	7.5 7.1 206 4 US-08-411-295F-76 Sequence 76, Appl	7.5 7.1 241 4 US-08-411-295F-94 Sequence 94, Appl	7.5 7.1 431 3 US-US-US-832-2 Sequence 7.5 7.1 431 3 US-09-038-832-4 Semience	7.5 7.1 447 4 US-09-949-016-8211 Sequence	7.0 383 4 US-09-949-016-11050 Sequence	7.0 992 1 US-07-813-593-2 Sequence	7.0 992 1 US-07-946-507-2 Sequence	7.0 992 1 US-08-252-517-2 Sequence	7.0 992 1 US-07-906-397A-2 Sequence 2, Appli	7.0 992 1 US-08-601-891-2 Sequence 2, Appli

App	Api	Ap	AA	Ã.	<b>4 4</b>	Ã,	( A	E 4	. 4	<b>4</b>	A, A	ι α	<b>«</b>	ZZ	A A	: Z	ÄÄ	A.	Z Z	A v	44	983	App App	App	App	A d	Api	App	8	සුස	8	, 4.	8	b	88	5	8	d	dd	App	dd	App	App
354, 280,	351,	249, 301,	227,	296,	252,	313,	348,	274, 245,	310,	236, 357,	283,	230,	316,	343,	269,	264,	355, 281.	352,	27B, 346,	272,	284,	516	12, 35,	35,	32,	23,	33,	25,	000		00 00	, –	99		99	9	$\sim$			w w	9, Appli	$\sim$	N
Sequence	Sequence Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Patent No.	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
US-08-411-235F-288 US-08-467-602-354 US-08-411-295F-280	-08-467-602-351 -08-411-295F-277	-08-470-335-249 -08-467-602-301	-08-411-295F-227 -08-470-335-242	-08-467-602-296	-08-411-295F-222 -08-470-335-252	-08-467-602-313	-08-467-602-348	-08-411-295F-274 -08-470-335-245	-08-467-602-310	-08-411-295F-236 -08-467-602-357	-08-411-295F-283	-08-46/-602-304 -08-411-295F-230	-08-467-602-316	-08-411-2355-242	-08-411-295F-269 -08-467-602-338	-08-411-295F-264	-08-467-602-355 -08-411-295F-281	-08-467-602-352	-08-411-295F-278 -08-467-602-346	-08-411-295F-272	-08-411-295F-284	69835-6	-09-499-846-12 -08-445-640-35	-08-170-558-35 -08-447-314-35	-08-445-461-35	-09-684-708A-23	-09-383-586-33 -09-823-038A-33	-09-684-708A-25 -08-359-705B-8	-08-286-846A-8	-08-457-880A-8 -08-444-622A-8	-08-942-562-8 -09-156-923-8	-09-949-016-10904	-08-359-705B-6 -08-286-846A-6	-08-457-880A-6	-08-444-622A-6 -08-942-562-6	-09-156-923-6	-08-286-305A-7 -08-441-104A-7	-08-440-816A-7	-09-417-381A-7 -09-175-92A-2	-09-1/3-928-2 -09-724-864-62	-09-254-465A-9 -09-953-499-9	-08-471-570-12	-09-684-708A-27
SS SS	SD OS	us us	us us	Sn	an NS	Sn	Sn	SD	SS	Sn Sn	Sn	ass	Sn	SB	SD	SD	SD DS																									SS	SD
8995 895 895 844	898 898 4	899 899 4	902 3	902 4	902 908 3	908	909	909 4	911	911 4 918 4	918 4	922 4	931 4	933 4	933 4	936 4	942				965 4					-		-														240 1	342 4
r - 7 - 4 - 7 - 4 - 7 - 4 - 7 - 7	7.4	4.7	4.7	4.7	4.7	4.4	. 4.	4.4	. 4.	4.7	4.	4.7	4.7	7.4	4.7	7.4	4.7	7.4	4.7	4.4	. 4.	4.7	4.7	4.7	4.4	7.4	4.7	7.4	7.4	4.7	4.7	4.7	4.4	7.4	4.7	7.4	4.7	7.4	4.7	 	7.3	. r.	7.3
134.5 134.5 134.5	134.5 134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134	133.5	133.5	133.5	133	133	133	133	133	133	133	133	133	133	133	133	133	. 133	132	131.5	າ	131
806 806 807	808 809	810 811	812 813	814	815 816	817	819	820 128	822	823 824	825	826	828	830	831	833	83.4 35.4	836	837 838	83.0	841	842 843	844 845	846	8 6	820	851 852	853 854	855	856 857	858	860	861	863	864 865	998	867 868	869	870 171	872	873	884	885
Sequence 302, Appl Sequence 19, Appl Sequence 246, App	ance 30	23	225, App 307, App	33, App	is, App 11, App	1, App	19, App	75, App	Appli	, Appl 7. App	App	App,	App	Appl Appl	App	App	App pp1	pli	ರೆದೆ! ದೆದೆ!	[0]	501	App App	App App	App	App	App	App App	App	App	App App	Appl	App	App	App	, App . App	App	App App	App	App	6, App 2, App	315, App	42, App	58. App
	Seque	Sequence	nce	ance	ance	ance	ance	ance	ance	ance	ance 302	ance 240	ance 297	ince 44.	ance 25(	ince 237	snce 243	ince 5,	ance 308	ence 11,	ance 10,	ance 30: ance 23:	nce 314	ance 344	ance 339	ince 35	ance 275 ance 350	ance 276	ince 27	ance 356 ance 282	nce 17,	ance 300	ance 226	ance 296	nce 224	ance 312	ance 238	ance 309	ance 235	ance	ance	nce	ance
US-09-540-245A-19 US-08-470-335-246	0, 0,	0, 0,	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence 303	Sequence 240	Sequence 297	Sequence 19,	Sequence 25(	Sequence 237	Sequence 243	Sequence 5,	Sequence 308 Sequence 234	Sequence 11,	Sequence 10,	Sequence 303 Sequence 233	Seguence 314	Sequence 344	Sequence 333	Sequence 353	Sequence 275 Sequence 350	Sequence 276	Sequence 27.	Sequence 356 Sequence 283	Seguence 17,	Sequence 300	Sequence 226	Seguence 296	Sequence 224 Sequence 253	Sequence 313	Sequence 238	Seguence 30	Sequence 233	Sequence	Sequence	Sequence	Sequence
יחח	4 US-08-467-602-303 4 US-08-411-295F-229	3 US-08-470-335-239 8 4 US-08-467-602-299	4 US-08-411-295F-225 Sequence 4 US-08-467-602-307 Sequence	4 US-08-411-295F-233 Sequence	4 US-U8-46/-6UZ-345 Sequence 4 US-08-411-295F-271 Sequence	4 US-08-467-602-341 Sequence	4 US-08-447-602-349 Sequence	4 US-08-411-295F-275 Sequence	4 US-09-471-270-4 Sequence	4 US-09-651-200-24 Sequence 3 US-08-470-335-247 Sequence	4 US-08-467-602-302 Sequence 303	3 US-08-411-295F-228 Sequence 228	4 US-08-467-602-297 Sequence 297	5 PCT-US93-00031-19 Sequence 19,	3 US-08-470-335-250 Sequence 25(	4 US-08-411-295F-237 Sequence 237	3 US-08-470-335-243 Sequence 243 3 US-09-009-490A-91 Sequence 91	3 US-08-482-073-5 Sequence 5,	4 US-08-467-602-308 Sequence 308 4 US-08-411-295F-234 Sequence 234	5 PCT-US93-00031-11 Sequence 11,	1 US-08-471-570-110 Sequence 10,	4 US-08-40/-802-305 Sequence 30:	4 US-08-467-602-314 Sequence 314 4 US-08-411-295F-240 Sequence 240	4 US-08-467-602-344 Sequence 344	4 US-08-467-602-339 Sequence 338	4 US-08-467-602-353 Sequence 353	4 US-08-411-295F-279 Sequence 279 4 US-08-467-602-350 Sequence 350	4 US-08-411-295F-276 Sequence 276 4 US-08-467-602-347 Sequence 347	4 US-08-411-295F-273 Sequence 27	4 US-08-467-602-356 Sequence 350 4 US-08-411-295F-282 Sequence 280	5 PCT-US93-00031-17 Sequence 17,	4 US-08-467-602-300 Sequence 300	4 US-08-411-295F-226 Sequence 226 3 US-08-470-335-241 Sequence 24	4 US-08-467-602-298 Sequence 296	4 US-08-411-295F-224 Sequence 224 3 US-08-470-335-251 Sequence 253	4 US-08-467-602-312 Sequence 312	4 US-08-411-295F-238 Sequence 230 3 US-08-470-335-244 Sequence 244	4 US-08-467-602-309 Sequence 309	4 US-08-411-295F-235 Sequence 239 4 US-08-467-602-306 Semience 306	4 US-08-411-295F-232 Sequence	4 US-08-467-602-315 Sequence	4 US-08-467-602-342 Sequence	4 US-08-411-295F-268 Sequence
יחח	4 US-08-467-602-303 4 US-08-411-295F-229	3 US-08-470-335-239 8 4 US-08-467-602-299	4 US-08-411-295F-225 Sequence 4 US-08-467-602-307 Sequence	4 US-08-411-295F-233 Sequence	4 US-U8-46/-6UZ-345 Sequence 4 US-08-411-295F-271 Sequence	4 US-08-467-602-341 Sequence	4 US-08-447-602-349 Sequence	4 US-08-411-295F-275 Sequence	4 US-09-471-270-4 Sequence	4 US-09-651-200-24 Sequence 3 US-08-470-335-247 Sequence	4 US-08-467-602-302 Sequence 303	3 US-08-411-295F-228 Sequence 228	4 US-08-467-602-297 Sequence 297	5 PCT-US93-00031-19 Sequence 19,	3 US-08-470-335-250 Sequence 25(	4 US-08-411-295F-237 Sequence 237	3 US-08-470-335-243 Sequence 243 3 US-09-009-490A-91 Sequence 91	3 US-08-482-073-5 Sequence 5,	4 US-08-467-602-308 Sequence 308 4 US-08-411-295F-234 Sequence 234	5 PCT-US93-00031-11 Sequence 11,	1 US-08-471-570-110 Sequence 10,	4 US-08-40/-802-305 Sequence 30:	4 US-08-467-602-314 Sequence 314 4 US-08-411-295F-240 Sequence 240	4 US-08-467-602-344 Sequence 344	4 US-08-467-602-339 Sequence 338	4 US-08-467-602-353 Sequence 353	4 US-08-411-295F-279 Sequence 279 4 US-08-467-602-350 Sequence 350	4 US-08-411-295F-276 Sequence 276 4 US-08-467-602-347 Sequence 347	4 US-08-411-295F-273 Sequence 27	4 US-08-467-602-356 Sequence 350 4 US-08-411-295F-282 Sequence 280	5 PCT-US93-00031-17 Sequence 17,	4 US-08-467-602-300 Sequence 300	4 US-08-411-295F-226 Sequence 226 3 US-08-470-335-241 Sequence 24	4 US-08-467-602-298 Sequence 296	4 US-08-411-295F-224 Sequence 224 3 US-08-470-335-251 Sequence 253	4 US-08-467-602-312 Sequence 312	4 US-08-411-295F-238 Sequence 230 3 US-08-470-335-244 Sequence 244	4 US-08-467-602-309 Sequence 309	4 US-08-411-295F-235 Sequence 239 4 US-08-467-602-306 Semience 306	4 US-08-411-295F-232 Sequence	4 US-08-467-602-315 Sequence	4 US-08-467-602-342 Sequence	4 US-08-411-295F-268 Sequence
7.4 434 3 US-09-10/1-245A-19 7.4 456 3 US-08-470-335-246	.4 456 4 US-08-467-602-303 8	.4 459 3 US-08-470-335-239 8 .4 459 4 US-08-467-602-299	.4 459 4 US-08-411-295F-225 Sequence .4 479 4 US-08-467-602-307 Sequence	.4 479 4 US-08-411-295F-233 Sequence	.4 490 4 US-U8-46/-6UZ-345 Sequence .4 490 4 US-08-411-295F-271 Sequence	.4 493 4 US-08-467-602-341 Sequence	.4 513 4 US-08-467-602-349 Sequence	.4 513 4 US-08-411-295F-275 Sequence	534 4 US-09-651-200-6 Sequence	.4 534 4 US-09-651-200-24 Sequence .4 635 3 US-08-470-335-247 Sequence	4 635 4 US-08-467-602-302 Sequence 30:	.4 638 3 US-08-411-295F-228 Sequence 226 .4 638 3 US-08-470-335-240 Sequence 246	.4 638 4 US-08-467-602-297 Seguence 297	.4 643 5 PCT-US93-00031-19 Sequence 19,	.4 644 3 US-08-470-335-250 Sequence 25(	.4 644 4 US-08-411-295F-237 Sequence 23:	.4 647 3 US-08-470-335-243 Sequence 243 .4 647 3 US-09-009-490A-91 Sequence 91.	.4 647 3 US-08-482-073-5 Sequence 5,	.4 647 4 US-08-467-602-308 Sequence 308 .4 647 4 US-08-411-295F-234 Sequence 234	.4 647 5 PCT-US93-00031-11 Sequence 11,	.4 652 1 UC-08-471-570-10 Sequence 20,	.4 658 4 US-08-41-295F-231 Sequence 23:	.4 667 4 US-08-467-602-314 Sequence 314 .4 667 4 US-08-411-295F-240 Sequence 24(	4 669 4 US-08-467-602-344 Sequence 344	.4 672 4 US-08-467-602-339 Sequence 338	.4 678 4 US-08-467-602-353 Sequence 355	.4 6/8 4 US-08-411-295F-279 Sequence 279 .4 681 4 US-08-467-602-350 Sequence 350	.4 681 4 US-08-411-295F-276 Sequence 276 .4 692 4 US-08-467-602-347 Sequence 347	.4 692 4 US-08-411-295F-273 Sequence 273	.4 /01 4 US-08-46/-602-356 Sequence 356 .4 701 4 US-08-411-295F-282 Sequence 283	.4 740 5 PCT-US93-00031-17 Sequence 17,	.4 852 4 US-08-467-602-300 Sequence 300	.4 852 4 US-08-411-295F-226 Sequence 220	4 855 4 US-08-467-602-298 Sequence 296	.4 855 4 US-08-411-295F-224 Sequence 220 .4 861 3 US-08-470-335-251 Sequence 253	.4 861 4 US-08-467-602-312 Sequence 312	.4 861 4 US-08-411-295F-238 Sequence 236 .4 864 3 US-08-470-335-244 Sequence 244	.4 864 4 US-08-467-602-309 Sequence 309	4 864 4 US-08-411-295F-235 Sequence 239 4 875 4 US-08-467-602-306 Sequence 306	.4 875 4 US-08-411-295F-232 Sequence	4 884 4 US-08-467-602-315 Sequence	.4 886 4 US-08-467-602-342 Sequence	.4 886 4 US-08-411-295F-268 Sequence
44 44 34 3 4 456 3	34.5 7.4 456 4 US-08-467-602-303 834.5 7.4 456 4 US-08-411-295F-229	34.5 7.4 459 3 US-08-470-335-239 8 34.5 7.4 459 4 US-08-467-602-299 8	4.5 7.4 459 4 US-08-411-295F-225 Sequence	34.5 7.4 479 4 US-08-411-295F-233 Sequence	34.5 /.4 490 4 US-UB-46/-6UZ-345 Sequence 34.5 7.4 490 4 US-08-411-295F-271 Sequence	34.5 7.4 493 4 US-08-467-602-341 Sequence	34.5 7.4 513 4 US-08-467-602-349 Sequence	34.5 7.4 513 4 US-08-411-295F-275 Sequence 34.5 7.4 526 1 HS-08-471-570-4 Sequence	34.5 7.4 534 4 US-09-651-200-6 Sequence	34.5 7.4 534 4 US-09-651-200-24 Sequence 34.5 7.4 635 3 US-08-470-335-247 Sequence	34.5 7.4 635 4 US-08-467-602-302 Sequence 30.	34.5 7.4 638 3 US-08-411-295F-228 Sequence 24	34.5 7.4 638 4 US-08-467-602-297 Sequence 297	34.5 7.4 643 5 PCT-US93-00031-19 Sequence 19,	34.5 7.4 644 3 US-08-470-335-250 Sequence 250	34.5 7.4 644 4 US-08-411-295F-237 Sequence 23	34.5 7.4 647 3 US-08-470-335-243 Sequence 243 34.5 7.4 647 3 US-09-009-490A-91 Sequence 91.	34.5 7.4 647 3 US-08-482-073-5 Sequence 5,	34.5 7.4 647 4 US-U8-467-602-308 Sequence 308 34.5 7.4 647 4 US-08-411-295F-234 Sequence 239	34.5 7.4 647 5 PCT-US93-00031-11 Sequence 11,	34.5 7.4 652 1 US-08-471-570-10 Sequence 10,	34.5 7.4 658 4 US-08-411-295F-231 Sequence 23.	34.5 7.4 667 4 US-08-467-602-314 Sequence 314 34.5 7.4 667 4 US-08-411-295F-240 Sequence 24(	4.5 7.4 669 4 US-08-467-602-344 Sequence 34.	34.5 7.4 672 4 US-08-467-602-339 Sequence 333	34.5 7.4 678 4 US-08-467-602-353 Sequence 353	34.5 7.4 678 4 US-08-411-295F-279 Sequence 279 34.5 7.4 681 4 US-08-467-602-350 Sequence 350	34.5 7.4 681 4 US-08-411-295F-276 Seguence 276 34.5 7.4 692 4 US-08-467-602-347 Seguence 347	34.5 7.4 692 4 US-08-411-295F-273 Sequence 27	34.5 7.4 701 4 US-08-467-602-356 Sequence 350 34.5 7.4 701 4 US-08-411-295F-282 Sequence 280	34.5 7.4 740 5 PCT-US93-00031-17 Sequence 17,	34.5 7.4 852 4 US-08-467-602-300 Sequence 300	34.5 7.4 852 4 US-08-411-295F-226 Sequence 220 34.5 7.4 855 3 US-08-470-335-241 Sequence 24	34.5 7.4 855 4 US-08-467-602-298 Sequence 296	34.5 7.4 855 4 US-08-411-295F-224 Sequence 22/ 34.5 7.4 861 3 US-08-470-335-251 Sequence 25;	34.5 7.4 861 4 US-08-467-602-312 Sequence 31:	34.5 7.4 861 4 US-08-411-295F-238 Sequence 236 34.5 7.4 864 3 US-08-470-335-244 Sequence 24	34.5 7.4 864 4 US-08-467-602-309 Sequence 309	34.5 7.4 864.4 US-08-411-295F-235 Sequence 239	34.5 7.4 875 4 US-08-411-295F-232 Sequence	34.5 7.4 884 4 US-08-467-602-315 Sequence	34.5 7.4 886 4 US-08-467-602-342 Sequence	34.5 7.4 886 4 US-08-411-295F-268 Sequence

ä
ŭ
spdi
w
•
rai
Œ
н
٠
523
N
S
ģ
ø
4
à
54
٠,
÷
78
9
Ŋ
-60
ĽB.
Þ

Sequence 161, App Sequence 249, App Sequence 246, App Sequence 172, App Sequence 243, App Sequence 243, App Sequence 252, App Sequence 252, App Sequence 279, App	205, 277, 203, 291,	217, 288, 214, 238,	164, 233, 159,	176, 285,	247, 173,	294, 220, 241,	167,	179, 280, 206,	275, 201,	289,	283, 209,	7 5 5	4, AF	ש סיס	90	mr		01 ⊢	20.0	m	200	2,	2,5	9 .	quence 1 quence 4	quence 8, quence 180
US-08-411-295I US-08-467-602- US-08-467-602- US-08-411-295I US-08-467-602- US-08-467-602- US-08-467-602- US-08-467-602- US-08-467-602- US-08-467-602-	US-08-46)-602-2 US-08-411-295F- US-08-467-602-2 US-08-411-295F- US-08-467-602-2	411-2951 467-602- 411-2951 467-602-	US-08-411-2951 US-08-467-602- US-08-411-2951	US-08-467-602- US-08-411-2951 US-08-467-602-	US-08-411-2935 US-08-467-602- US-08-411-2951	US-08-467-602- US-08-411-2951	US-08-411-295I US-08-467-602-	US-08-411-2951 US-08-467-602- US-08-411-2951	467-602-411-2951	US-08-411-295F-21 US-08-467-602-289	411-295F-2 467-602-28 411-295F-2	US-08-46 US-08-41	US-09-723-368-4 US-08-445-640-6	US-08-17 US-08-44	US-09-223-490- US-09-354-151-	US-08-478-208- US-08-336-536-	5264554-2 5264554-2 5264554-2	US-09-43	PCT-US93-000	US-08-467-602-384	US-08-411-295F-30 US-08-891-845-10	US-09-514-57 US-08-891-84	US-09-514-57	US-08-462-79 US-09-499-84	US-09-499-846 US-09-499-846	US-09-499-846- US-08-470-335-
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5										•		• • • •	• • • •				-				•					• • •
	  rr	r.r r.r r.r	r.r r.r		7.7	7.7	7.7	rr rr		7.7	7.7	7.7	7.6	9.7.6		9.6	7.6	2.7	7.5		7.5	7.5	7.5	v. 7. r	2.7.5	7.5
138.55 138.55 138.55 138.55 138.55 138.55 138.55 138.55	138.5 138.5 138.5 138.5	138.5 138.5 138.5 138.5	138.5 138.5 138.5	138.5	138.5 138.5	138.5	138.5 138.5	38. 38.	138.5	138.5	138.5 138.5 138.5	138.5 138.5 137	36.	136.5 136.5 136.5	36.	36.	36.	13	136	999	35.	135.5 135.5	35.	135	135	135 134.5
659 661 661 663 665 665 666	668 669 670 671	673 674 675 676	677 678 679	681 682 682	684 685	686	689 690	691 692 693	694	697	699 700 701	702	705	707	710	712	714	716	718	720	721	723	725	726	728	730 731
		_ <del></del>																								
Sequence 36, Appl Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 6, Appli Sequence 6, Appli	0 4 4	5,00	9,0,0,0	-i-i-i-	, ı, 4	199	מי מי פ	24,4	Sequence 166, App Sequence 236, App	24.	202	286	23	16.23	17	17	16	equence 17	equence 20.	6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	equence 29 equence 21	equence 28	9 29 1	quence 21 quence 29	equence 21 equence 23	9 0
Sequence 3,6 Sequence 2, Sequence 2, Sequence 2, Sequence 2, Sequence 6, Sequence 6,	Sequence 10, Sequence 90, Sequence 4, Sequence 4,	Sequence 60: Sequence 6, Sequence 2, Sequence 2,	Sequence 2, Sequence 2, Sequence 2,	Sequence 1, Sequence 1, Sequence 1,	Sequence 1, Sequence 1, Sequence 4,	Sequence 19: Sequence 19:	Patent No. 5: Patent No. 5:	Sequence 6, Sequence 4, Sequence 24	Sequence 160 Sequence 230	Sequence 24.	Sequence 28: 8 Sequence 20: Sequence 27:	Sequence 20.	Sequence 23 Sequence 23 Sequence 16	Sequence 23.00 Sequence 16.00 Sequen	Sequence 17	Sequence 24	Sequence 25:	7 Sequence 17	7 Sequence 20	Sequence 270 Sequence 200	Sequence 29 6 Sequence 21	Sequence 28	Sequence 28	Sequence 21 Sequence 29	9 Sequence 21 Sequence 23	3 Sequence 16 Sequence 23
3 US-09-435-059-36 Sequence 36, 30 US-08-461-917-2 Sequence 2, 4 US-08-464-436-2 Sequence 2, 4 US-09-866-510-2 Sequence 2, 4 US-09-866-510-4 US-09-866-510-4 US-09-866-510-8 Sequence 6, 4 US-09-866-510-8 Sequence 8, 4	4 US-09-866-510-10 Sequence 10, 108-09-919-497-90 Sequence 90, 4 US-09-949-016-6703 Sequence 6775 PCT-US92-00730-4 Sequence 4, 5 PCT-US92-00862-4 Sequence 4,	4 US-09-270-767-60345 Sequence 60. 3 US-09-383-630-6 Sequence 6, 1 1 US-08-445-640-2 Sequence 2, 1 3 US-08-170-558-2 Sequence 2,	3 US-08-447-314-2 Sequence 2, 3 US-08-445-461-2 Sequence 2, 4 US-09-223-490-2 Sequence 2,	1 US-08-286-305A-1 Sequence 1, 2 US-08-441-104A-1 Sequence 1, 2 US-08-440-816A-1 Sequence 1,	3 US-03-41/-381A-1 Sequence 1, 3 US-08-750-141A-1 Sequence 1, 3 US-08-341-018-4 Sequence 4,	3 US-08-470-335-191 Sequence 19; 3 US-08-470-339-191 Sequence 19;	4 05-08-19-7-002-505 Sequence 50- 6 5169835-2 Patent No. 5: 6 5169835-2 Patent No. 5:	1 US-08-282-951-6 Sequence 6, 3 US-08-966-485-4 Sequence 4, 4 US-08-467-602-240 Sequence 24,	4 US-08-411-295F-166 Sequence 164 US-08-47-502-236 Sequence 23	4 US-08-411-295F-170 Sequence 174 4 US-08-411-295F-170	4 US-08-467-602-282 Sequence 28: 4 US-08-411-295F-208 Sequence 20: 4 US-08-467-602-278 Sequence 27:	4 US-08-411-295F-204 Sequence 20- 4 US-08-45-602-286 Sequence 28- 4 US-08-411-205E-212 Sequence 28-	4 US-08-411-295F-165 Sequence 16:	4 US-08-467-602-234 Sequence 23-4 US-08-411-255F-160 Sequence 161	4 US-08-401-295F-174 Sequence 174 4 US-08-401-295F-174 Sequence 177 4 US-08-401-295F-174 Sequence 177	4 US-08-49/-80Z-Z45 Sequence Z4; 4 US-08-411-295F-171 Sequence 17; 7 TT 00 471 C00 247	4 US-00-401-295F-168 Sequence 16:	4 US-08-411-295F-177 Sequence 177 4 US-08-411-295F-177 Sequence 177	4 US-08-411-295F-207 Sequence 20	4 US-08-411-295F-202 Sequence 20:	4 US-08-467-602-290 Sequence 29 4 US-08-411-295F-216 Sequence 21	4 US-08-467-602-287 Sequence 28 4 US-08-411-295F-213 Sequence 21:	4 US-08-467-602-284 Sequence 28	4 US-08-411-295F-210 Sequence 21 4 US-08-467-602-293 Sequence 29	4 US-08-411-295F-219 Sequence 21 4 US-08-467-602-237 Sequence 23	4 US-08-411-295F-163 Sequence 16 4 US-08-467-602-235 Sequence 23
US-09-435-059-36 Sequence 36, US-08-461-917-2 Sequence 2, US-08-464-436-2 Sequence 2, US-08-464-436-2 Sequence 2, US-09-866-510-2 Sequence 2, US-09-866-510-4 Sequence 6, US-09-866-510-4 Sequence 6, US-09-866-510-8 Sequence 8,	.8 1089 4 US-09-866-510-10 Sequence 10, 8 1089 4 US-09-919-497-90 Sequence 90, 8 1089 4 US-09-949-016-6703 Sequence 4, 8 1089 5 PCT-US92-00730-4 Sequence 4, 8 1089 5 PCT-US92-00862-4	.8 203 4 US-09-270-767-60345 Sequence 60: .8 801 3 US-09-383-630-6 Sequence 6,. .8 890 1 US-08-445-640-2 Sequence 2,. .8 890 3 US-08-170-558-2 Sequence 2,	.8 890 3 US-08-447-314-2 Sequence 2, .8 890 3 US-08-445-461-2 Sequence 2, .8 890 4 US-09-223-490-2 Sequence 2,	.8 911 2 US-08-441-104A-1 Sequence 1, 8 911 2 US-08-441-104A-1 Sequence 1, 8 911 2 US-08-440-816A-1 Sequence 1, 8 911 2 US-08-440-816A-1	.8 911 3 US-09-41/-381A-1 Sequence 1, .8 976 3 US-08-750-141A-1 Sequence 1, .7 263 3 US-08-341-018-4 Sequence 4,	.7 263 3 US-08-470-335-191 Sequence 19:	., 203 4 05-007-303 Sattement No. 5: .,7 419 6 5169835-2 Patent No. 5: .,7 419 6 5169835-2 Patent No. 5:	.7 272 1 US-08-282-951-6 Sequence 6, .7 140 3 US-08-986-485-4 Sequence 4, .7 17 4 US-08-467-602-240 Sequence 24	7 173 4 US-08-411-295F-166 Sequence 160	., 1,0 4 US-08-467-602-244 Sequence 24, 196 4 US-08-411-295F-170 Sequence 17.	.7 207 4 US-08-467-602-282 Sequence 28: .7 207 4 US-08-411-295F-208 Sequence 20: .7 210 4 US-08-467-602-278 Sequence 27:	.7 210 4 US-08-411-295F-204 Sequence 20: .7 230 4 US-08-467-602-286 Sequence 28: .7 200 4 US-08-467-602-286 Sequence 28: .7 200 4 US-08-467-602-286 Sequence 28: .7 200 4 US-08-467-602-286	352 4 US-08-467-602-239 Sequence 16: 352 4 US-08-411-295F-165 Sequence 16:	7 355 4 US-08-467-602-234 Sequence 23. 7 355 4 US-08-4411.295F-160 Sequence 16. 7 25. 4 175 05.05. 200	7 361 4 US-08-411-295F-174 Sequence 17.	., 364 4 US-108-411-295F-171 Sequence 17:	7 375 4 US-08-401-295F-168 Sequence 16:	., 384 4 US-08-411-295F-177 Sequence 17 7 386 4 IS-08-411-295F-37 Sequence 17 7 386 4 IS-08-467-602-281 Sequence 28	.7 386 4 US-08-411-295F-207 Sequence 20	.7 389 4 US-08-411-295F-202 Sequence 20:	.7 395 4 US-08-467-602-290 Sequence 29 .7 395 4 US-08-411-295F-216 Sequence 21.	.7 398 4 US-08-467-602-287 Sequence 28	7 409 4 US-08-467-602-284 Sequence 28	.7 409 4 US-08-411-295F-210 Sequence 21. .7 418 4 US-08-467-602-293 Sequence 29.	418 4 US-08-411-295F-219 Sequence 21 569 4 US-08-467-602-237 Sequence 23	.7 569 4 US-08-411-295F-163 Sequence 16. .7 572 4 US-08-467-602-235 Sequence 23

·H
ש
Ф
80
•
ิส
ĕ
-
23
Ŋ
5
ď
ಡ
4
4
Ŋ
- 1
ö
_
Ď
ï
9
ö
ĭ
m
a n
-

equence 5, equence 446 equence 5, equence 6, equence 6,	9 6 6 6	equence 34, equence 7,	equence 1 equence 1	ence 6	equence 7	oo or⊣.	Sequence 13, Appl	) (1) (1) (2) (4)	equence 6	Sequence 193, App Sequence 387, App	equence 6	equence 4 equence 5	0 0	equence 3	Sequence 49, Appl Sequence 95, Appl	equence 1	ednence	equence 1	equence 9 equence 9	9044, A	equence 904	9047, A	9049, A	equence 9051, A	ence 13, App	ze 78,	œ v	10e 4,	equence 2, equence 12,	ence 75	Sequence 16, Appl Sequence 14, Appl	equence 12	Sequence 10, Appl	equence 36	equence 4,	Sequence 36, Appl	ence 4,	equence 4,	Sequence 36, Appl Sequence 2. Appli	equence 36	Sequence 36, Appl Sequence 36, Appl
US-0 US-0 US-1 US-1	o-sn o-sn	0-SU	0-80	0-SU	ns-o	ns-o	PCT-	PCT-	ns-o	0-SU	o-sn	o-sn O-sn	US-0	us-o	us-o	0-SI	o-sn	US-09-223-490-1	S-0 S-0	S-09-949-016-9 S-09-949-016-9	US-09-949-016-9	US-09-949-016-9 US-09-949-016-9	US-09-949-016-9	US-09-949-016-9	US-08-451-822A-	US-0	US-09-969-532-8	0-5	US-09-969-532-2 US-09-866-510-12	S-0	0-SD	ns-o	O-SD	ns-o	US-0	US-0	US-0	us-o	<b>&gt;</b> =	US-09-583-459A	US-09-583-2
2040 50440 5040 5040 5040 5040 5040 5040	972 3 972 4 891 4									• • •	•	• • •			•				• •	471 4	•	•	471 4				552 4		577 4 589 4	•	•	•	911	680	680		• • •	•••	•		089
8 8 8 8 8 2	000																										•						9.7		7.8 1	8.7	7.8	7.8	8.7	7.8	7.8
147.5 145.5 145.5	4 4	143.5		143	12		142.5			141.5		141.5	141.5		141.5			4	141	141	141	141	141	141	141		140.5		140.5			6	•		٠	140.5			140.5		140.5
513 514 515 516	518 519 520	521 522	523 524 524	526	528	530	531	533	535	536	538	540 540	541	543	544 545	546	. 44 c	550	551 552	553 554	555	556	558	560	561	563	564	566	567 568	569	570 571	572	573	575	576	577		580	α α	œ	584 585
53, App 36, App 52, App 53, App 99, App					,	•																																			
Sequence 23 Sequence 33 Sequence 24 Sequence 34	Sequence 3. Sequence 2. Sequence 3.	Sequence 3.	Sequence 2 Sequence 2	Sequence 2	Sequence 3.	Sequence 2 Sequence 2	Sequence 3.	Sequence 30	Sequence 2:	Sequence 3.	Sequence 3.	Sequence 3:	Sequence 2	Sequence 20	Sequence 3	Sequence 3	Sequence 3.	Sequence 3,	Sequence 2: Sequence 3(	Sequence 2	Sequence 3	Sequence 3.	Sequence 2	Sequence 3.	Sequence 2	Sequence 33	Sequence 3.	Sequence 4	Sequence 4	Sequence 4	Sequence 3, Sequence 3,	Seguence 3	Sequence 1	Sequence 8	Sequence 3	Sequence 3	Sequence 5	Sequence 5	Sequence 5	Sequence 2	Sequence 6
0 m 0 m 0	467-602-361 sequence 3 411-295F-287 Sequence 2 467-602-375 Sequence 3	-411-295F-301 Sequence 3 -467-602-372 Sequence 3	.411-295F-298 Sequence 2: .470-335-235 Sequence 2: .467-602-322 Sequence 3:	411-295F-248 Sequence 2,	467-602-317 Sequence 3:	411-295F-243 Sequence 2 470-335-238 Sequence 2	.467-602-334 Sequence 3:	447-602-369 Sequence 2.411-295F-295	470-335-232 Sequence 2:	.467-602-331 Sequence 3:	467-602-378 Sequence 3	411-295r-304 sequence 3 467-602-325 Sequence 3	.411-295F-251 Sequence 2:	411-295F-263 Sequence 20	.467-602-364 Sequence 3(	467-602-359 Sequence 3	447-602-376 Sequence 23-447-602-376	467-602-373 Sequence 3	-411-295F-299 Sequence 20 -467-602-367 Sequence 30	.411-295F-293 Sequence 2:	411-295F-305 Sequence 3	.222-616-33 Sequence 3: .340-011-2 Sequence 2	.901-710-2 Sequence 2	.982-610-33 Sequence 3:	169-079-2 Sequence 2	874-678-33 Sequence 3:	.643-839-33 Sequence 3:	340-011-4 Sequence 4	-901-710-4 Seguence 4 -375-248-2 Seguence 2	169-079-4 Sequence 4	.874-678-34 Sequence 3. -643-839-34 Sequence 3.	.348-886-34 Seguence 3	.471-570-14 Sequence 1	471-570-8 Sequence 8	.447-464-3 Sequence 3	.716-679-3 Sequence 3	-348-006B-5 Sequence 5	-800-825A-5 Sequence 5	.158-657-5 Sequence 5 394-10166-5 Seminance 5	168-091A-2 Sequence 2	.166-717D-6 Sequence 6
4 US-08-411-25F-253 Sequence 22 4 US-08-467-602-336 Sequence 33 4 US-08-411-25F-262 Sequence 32 4 US-08-467-602-363 Sequence 32 4 US-08-411-295F-289 Sequence 22	4 US-08-411-295F-287 Sequence 31 4 US-08-411-295F-287 Sequence 21 4 US-08-467-602-375 Sequence 3	4 US-08-411-295F-301 Sequence 3:	4 US-08-411-295k-298 Sequence 23 US-08-470-335-335 Sequence 24 IIS-08-477-602-322 Sequence 22	4 US-08-411-295F-248 Sequence 23 US-08-470-335-299 Seminore 2	4 US-08-467-602-317 Sequence 3:	4 US-08-411-295F-243 Sequence 23 US-08-470-335-238 Sequence 22	4 US-08-467-602-334 Sequence 3:	4 US-08-467-602-369 Sequence 34 INS-08-411-2051-305	3 US-08-470-335-232 Sequence 2:	4 US-08-467-602-331 Sequence 3:	4 US-08-467-602-378 Sequence 3	4 US-U8-411-295r-304 Sequence 30 4 US-08-467-602-325 Sequence 30	4 US-08-411-295F-251 Sequence 2:	4 US-08-411-295F-263 Sequence 20	4 US-08-467-602-364 Sequence 30 4 US-08-411-295F-290 Sequence 20	4 US-08-467-602-359 Sequence 3	4 US-08-411-201-201 Sequence 24 US-08-467-602-376 Sequence 25 US-08-411-201-301-301-301-301-301-301-301-301-301-3	4 US-08-467-602-373 Sequence 3'	4 US-08-411-295F-299 Sequence 2: 4 US-08-467-602-367 Sequence 3:	4 US-08-411-295F-293 Sequence 2:	4 US-08-411-295F-305 Sequence 3	1 US-08-222-616-33 Sequence 3: 1 US-08-340-011-2 Sequence 2	3 US-08-901-710-2 Sequence 2	4 US-09-982-610-33 Sequence 3:	4 US-09-169-079-2 Sequence 2	2 US-08-874-678-33 Sequence 3:	3 US-08-643-839-33 Sequence 3.	1 US-08-340-011-4 Sequence 4	3 US-08-901-710-4 Sequence 4 4 US-09-375-248-2 Sequence 2	4 US-09-169-079-4 Sequence 4	2 US-08-874-678-34 Sequence 3. 3 US-08-643-839-34 Sequence 3.	3 US-09-348-886-34 Sequence 3	1 US-08-471-570-14 Sequence 1	1 US-08-4/1-570-8 Sequence 8	2 US-08-447-464-3 Sequence 3	2 US-08-716-679-3 Sequence 3	1 US-08-348-006B-5 Sequence 5	2 US-08-800-825A-5 Sequence 5	3 US-09-158-657-5 Sequence 5 5 PCT-11894-10166-5	1 US-08-168-091A-2 Sequence 2	1 US-08-166-717D-6 Sequence 6
US-08-411-295F-253 Sequence 21 US-08-467-602-336 Sequence 31 US-08-411-295F-262 Sequence 31 US-08-467-602-363 Sequence 31 US-08-411-295F-289 Sequence 21	.3 855 4 US-08-467-062-361 Sequence 3. .3 851 4 US-08-411-295F-287 Sequence 3. .3 861 4 US-08-467-602-375 Sequence 3.	.3 861 4 US-08-411-295F-301 Sequence 3 .3 864 4 US-08-467-602-372 Sequence 3	.3 864 4 US-08-411-295k-298 Sequence 2. 3 865 3 US-08-470-335-235 Sequence 2. 4 HS-08-467-602-329 Sequence 2.	3 865 4 US-08-411-295F-248 Sequence 23 868 4 US-08-411-295F-248 Sequence 2	.3 868 4 US-08-467-602-317 Sequence 3:	.3 874 3 US-08-470-335-238 Sequence 2.	.3 874 4 US-08-467-602-334 Sequence 3:	3 875 4 US-08-467-602-369 Sequence 3: 875 4 US-08-467-502-369 Sequence 3: 875 4 US-08-467-505	.3 877 3 US-08-470-335-232 Sequence 2:	3 877 4 US-08-467-602-331 Sequence 3:	.3 884 4 US-08-467-602-378 Sequence 3	.3 884 4 US-US-411-295r-304 Sequence 30 .3 888 4 US-08-467-602-325 Sequence 30	3 888 4 US-08-411-295F-251 Sequence 2	3 897 4 US-08-411-295F-263 Sequence 20	.3 899 4 US-08-467-602-364 Sequence 30 .3 899 4 US-08-411-295F-290 Sequence 20	3 902 4 US-08-467-602-359 Sequence 3	3 908 4 US-08-467-602-376 Sequence 2.	.3 911 4 US-08-467-602-373 Sequence 3	.3 911 4 US-08-411-295F-299 Sequence 2: .3 922 4 US-08-467-602-367 Sequence 3	.3 922 4 US-08-411-295F-293 Sequence 20	.3 931 4 US-08-411-295F-305 Sequence 3	.3 1298 1 US-08-222-616-33 Sequence 3: .3 1298 1 US-08-340-011-2 Sequence 2	.3 1298 3 US-08-901-710-2 Sequence 2	.3 1298 4 US-09-982-610-33 Sequence 3:	.3 1298 4 US-09-169-079-2 Sequence 2	.3 1362 2 US-08-874-678-33 Sequence 3:	.3 1362 3 US-08-643-839-33 Sequence 3.	.3 1363 1 US-08-340-011-4 Sequence 4	.3 1363 3 US-08-901-710-4 Sequence 4.	.3 1363 4 US-09-169-079-4 Sequence 4	.3 1368 2 US-08-874-678-34 Sequence 3. .3 1368 3 US-08-643-839-34 Sequence 3.	.3 1368 3 US-09-348-886-34 Sequence 3	.3 355 1 US-08-471-570-14 Sequence 1	.3 769 1 US-08-471-570-8 Sequence 8	.3 1501 2 US-08-447-464-3 Sequence 3	.3 1501 2 US-08-716-679-3 Sequence 3	.3 388 1 03-08-423-742-4 Sequence 3	.2 1911 2 US-08-800-825A-5 Sequence 5	.2 1911 3 US-09-158-657-5 Sequence 5	.2 602 1 US-08-168-091A-2 Sequence 2	.2 820 1 US-08-166-717D-6 Sequence 6

2002
0
0
56
വ
••
40
7:
<b>:</b>
10
_
ω
Jun
ಡ್ಡ

us-09-978-544a-523.rai.spdi

	ance 32, ance 32, ance 32,	ance 6, ance 4, ance 189	ance 186	ence 256	ence 320	ence 254	ance 292	ance 36.	ance 37(	ence 23	ence 249	ence 318 ence 244	ence 236 ence 332	ence 258 ence 230	ence 329	ence 326 ence 252	ance 33	ance 36	ance 28(	ence 374 ence 300	ence 37: ence 29'	ence 36	ence 37	ence 30. ence 3,	ence 3,	ence 3, ence 23	ence 32	ence 24 ence 22	ence 313	ence 23	ence 33. ence 25	ence 23	ence 25
4 US-08-467-602-170 4 US-08-411-295F-65 4 US-08-411-295F-69 4 US-08-411-295F-69 5 US-08-411-295F-103 5 PCT-US94-05083C-186 5 PCT-US94-05083C-186 5 PCT-US95-06846A-170	0-SU 0-SU 0-SU	0-SU 0-SU 0-SU	0-SU	0-SU	0-SU 0-SU	0-80	us-o	0-SU	0-SD	o-sn	0-SU 0-SU	0-SU	ns-o	us-o	us-o	us-o	0-SD	0-SD	0-SD	0-SD	O-SD O-SD	US-0	0-SU	US-0	ns-o	ns-o	ns-o	ns-o	0-80	o-sn	0-SU	US-0	ns-o
4 4 4 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6	663	74 11	22	2 2 2	222	4 44 FC	9 0																										
œ œ œ œ œ œ œ œ œ œ œ œ œ œ œ œ œ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ æ	80 80 80 80 6																					•										•	
151.5 151.5 151.5 151.5 151.5	51.	15 50.	50.	500	200	000		20.	50.	50.	50.	50.	150.5	50.	50.	50.	50.	20.	50.	50.	50.	150.5	150.5	150.5	150.5	150.5	150.5	150.5 150.5	150.5	150.5	150.5 150.5	150.5	150.5
33333333333333333333333333333333333333																						420	421	423 424	425	426 427	428	429 430	431	433	434	436	888
<b></b>	375 376 377 377 378	379 380 381	8 8	7387		1 80 o		m m	m m	<u> </u>	<u> </u>		4.4.																				
Sequence 25, Appl 3 Sequence 31, App Sequence 11, Appli 3 Sequence 1, Appli 3 Sequence 189, App Sequence 189, App Sequence 3, Appli 3 Sequence 3, Appli 3 Sequence 1, Appli 3	equence 1, Appli aquence 2, Appli equence 1, Appli aquence 189, App	equence 10, Appl equence 10, Appl equence 10, Appl	equence 10, Appl equence 10, Appl	equence 34, Appl equence 10595, A	equence 10596, A	equence 4, Appli equence 6, Appli	equence 4, Appli	equence 6, Appli equence 6, Appli	equence 6, Appli equence 6, Appli	equence 8, Appli equence 6, Appli	equence 6, Appli equence 7, Appli	aquence 7, Appli	odence 5, Appli equence 5, Appli	equence 5, Appli equence 5, Appli	equence 5, Appli equence 5, Appli	equence 5, Appli equence 5, Appli	ednence	equence	equence	equence 32726, A equence 47943, A	equence 44009, A	equence 2, Appli	equence 6230, Ap equence 7522, Ap	equence	edneuce	equence 170, App	equence 170, App	equence 3, Appli equence 3, Appli	equence 3, Appli	equence 170, App equence 170, App	equence 170, App	equence 170, App	equence 170, App equence 170, App
Sequence 25, Appl Sequence 31, App Sequence 1, Appl Sequence 1, Appli Sequence 189, App Sequence 311, App Sequence 31, App Sequence 3, Appli	Sequence 1, Appli Sequence 2, Appli Sequence 1, Appli Sequence 189, App	Sequence 10, Appl Sequence 10, Appl Sequence 10, Appl	Sequence 10, Appl Sequence 10, Appl	Sequence 34, Appl Sequence 10595, A	Sequence 10596, A Sequence 19, Appl	Sequence 4, Appli Sequence 6, Appli Sequence 1 annii	Sequence 6, Appli	Sequence 6, Appli Sequence 6, Appli	Sequence 6, Appli Sequence 6, Appli	Sequence 8, Appli Sequence 6, Appli	Sequence 6, Appli Sequence 7, Appli	Sequence 7, Appli Sequence 7, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence	Sequence	Sequence	Sequence 32726, A Sequence 47943, A	Sequence 44009, A Sequence 10605, A	Sequence 2, Appli	Sequence 6230, Ap Sequence 7522, Ap	Sequence	Sequence	Sequence 170, App	Sequence 170, App	Sequence 3, Appli Sequence 3, Appli	Sequence 3, Appli	Sequence 170, App Sequence 170, App	Sequence 170, App	Sequence 170, App	Sequence 170, App Sequence 170, App Sequence 170, App
equence 25, Appl equence 31, App equence 1, Appli equence 1, Appli equence 189, App equence 31, App equence 31, App	16 4 US-09-638-649-1 Sequence 1, Appli 16 4 US-08-755-235-2 Sequence 2, Appli 16 4 US-09-638-648-1 Sequence 1, Appli 99 3 US-09-188-930-189 Sequence 189, App	80 1 US-08-445-640-10 Sequence 10, Appl 80 3 US-08-170-558-10 Sequence 10, Appl 80 3 US-08-447-314-10 Sequence 10, Appl	80 3 US-08-445-461-10 Sequence 10, Appl 80 4 US-09-223-490-10 Sequence 10, Appl	805 3 US-08-985-526-34 Sequence 34, Appl 248 4 US-09-949-016-10595 Sequence 10595, A	248 4 US-09-949-016-10596 Sequence 10596, A 363 4 US-09-75-248-19 Sequence 19, Appl	36/ 1 US-07-813-593-4 Sequence 4, Appli 367 1 US-07-977-451-6 Sequence 6, Appli 367 1 TC-07-846-607-4 commence 4 appli	367 1 US-08-252-517-6 Sequence 6, Appli	367 1 US-07-906-397A-6 Sequence 6, Appli 367 1 US-08-601-891-6 Sequence 6, Appli	367 2 US-09-021-324-6 Sequence 6, Appli 367 4 US-09-872-136B-6 Sequence 6, Appli	67 5 PCT-US92-02750-8 Sequence 8, Appli 67 5 PCT-US92-05401-6 Sequence 6, Appli	67 5 PCT-US92-09893-6 Sequence 6, Appli 62 2 US-08-752-307B-7 Sequence 7, Appli	62 3 US-09-707-802-7 Sequence 7, Appli 62 3 US-09-091-326-7 Sequence 7, Appli	65 2 US-08-752-3078-5 Sequence 5, Appli 65 3 US-09-707-802-5 Sequence 5, Appli	65 3 US-09-991-326-5 Sequence 5, Appli 02 1 US-08-428-926-5 Sequence 5, Appli	02 1 US-08-428-927-5 Sequence 5, Appli 02 1 US-08-428-298-5 Sequence 5, Appli	602 1 US-08-339-517-5 Sequence 5, Appli 311 1 US-08-340-011-5 Sequence 5, Appli	311 3 US-08-901-710-5 Sequence 311 4 US-09-169-079-5 Sequence	79 3 US-09-173-151A-2 Sequence 86 3 US-09-173-151A-4 Sequence	77 2 US-08-432-016-3 Sequence 77 2 US-08-684-594-3 Sequence	89 4 US-09-270-767-32726 Sequence 32726, A 89 4 US-09-270-767-47943 Sequence 47943, A	24 4 US-09-270-767-44009 Sequence 44009, A 94 4 US-09-949-016-10605 Sequence 10605, A	351 5 PCT-US93-05703-2 Sequence 2, Appli	123 4 US-09-949-016-6230 Sequence 6230, Ap 128 4 US-09-949-016-7522 Sequence 7522, Ap	27 4 US-09-205-258-947 Sequence	22 1 US-08-036-555B-170 Sequence	22 1 US-08-469-569-170 Sequence 170, App	22 1 US-08-249-322A-170 Sequence 170, App	22 1 US-08-428-927-3 Sequence 3, Appli 22 1 US-08-428-298-3 Sequence 3, Appli	22 1 US-08-339-517-3 Sequence 3, Appli	22 1 US-08-469-526A-170 Sequence 170, App 22 2 US-08-734-591A-170 Sequence 170, App	22 2 US-08-469-660-170 Sequence 170, App 22 3 US-08-341-018-72 Sequence 72, App1	22 3 US-08-470-335-170 Sequence 170 App	22 3 US-08-734-664A-170 Sequence 170, App 22 3 US-08-734-664A-170 Sequence 170, App 22 3 US-08-470-339-170 Sequence 170, App
63 4 US-09-953-499-25 Sequence 25, Appl 99 3 US-09-462-270-2 Sequence 31, App 99 4 US-09-254-465A-1 Sequence 1, Appl 99 4 US-09-312-283C-189 Sequence 189, Appl 99 4 US-09-312-283C-331 Sequence 31, App 99 4 US-09-397-243D-3 Sequence 31, Appl 99 4 US-09-397-243D-3 Sequence 1, Appl 99 4 US-09-397-243D-3 Sequence 1, Appli	7 416 4 US-09-638-649-1 Sequence 1, Appli 7 416 4 US-08-755-235-2 Sequence 2, Appli 7 416 4 US-09-638-648-1 Sequence 1, Appli 6 299 3 US-09-188-930-189 Sequence 189, App	.6 880 1 US-08-445-640-10 Sequence 10, Appl .6 880 3 US-08-170-558-10 Sequence 10, Appl .6 880 3 US-08-447-314-10 Sequence 10, Appl	.6 880 3 US-08-445-461-10 Sequence 10, Appl .6 880 4 US-09-223-490-10 Sequence 10, Appl	.6 805 3 US-08-985-526-34 Sequence 34, Appl .6 1248 4 US-09-949-016-10595 Sequence 10595, A	.6 1248 4 US-09-949-016-10596 Sequence 10596, A .6 1363 4 US-09-375-248-19 Sequence 19, Appl	6 1367 1 US-07-811-593-4 Sequence 4, Appl. 6 1367 1 US-07-977-451-6 Sequence 6, Appli 6 1367 1 116-07-4646-507-4 camianca 4 appli	.6 1367 1 US-08-252-517-6 Sequence 6, Appli	.6 1367 l US-07-906-397A-6 Sequence 6, Appli .6 1367 l US-08-601-891-6 Sequence 6, Appli	.6 1367 2 US-09-021-324-6 Sequence 6, Appli .6 1367 4 US-09-872-136B-6 Sequence 6, Appli	.6 1367 5 PCT-US92-02750-8 Sequence 8, Appli .6 1367 5 PCT-US92-05401-6 Sequence 6, Appli	.6 1367 5 PCT-US92-09893-6 Sequence 6, Appli .6 462 2 US-08-752-307B-7 Sequence 7, Appli	6 462 3 US-09-707-802-7 Sequence 7, Appli	.6 465 2 US-08-752-307B-5 Sequence 5, Appli	.6 465 3 US-09-991-326-5 Sequence 5, Appli .6 602 1 US-08-428-926-5 Sequence 5, Appli	.6 602 1 US-08-428-927-5 Sequence 5, Appli .6 602 1 US-08-428-298-5 Sequence 5, Appli	.6 602 1 US-08-339-517-5 Sequence 5, Appli .6 1311 1 US-08-340-011-5 Sequence 5, Appli	.6 1311 3 US-08-901-710-5 Sequence .6 1311 4 US-09-169-079-5 Sequence	.5 579 3 US-09-173-151A-2 Sequence .5 686 3 US-09-173-151A-4 Sequence	.5 477 2 US-08-432-016-3 Sequence .5 477 2 US-08-684-594-3 Sequence	.5 189 4 US-09-270-767-32726 Sequence 32726, A .5 189 4 US-09-270-767-47943 Sequence 47943, A	.5 524 4 US-09-270-767-44009 Sequence 44009, A	4 351 5 PCT-US93-05703-2 Sequence 2, Appli	.4 1123 4 US-09-949-016-6230 Sequence 623U, Ap .4 1128 4 US-09-949-016-7522 Sequence 7522, Ap	.4 227 4 US-09-205-258-947 Sequence	.4 422 1 US-08-036-555B-170 Sequence	.4 422 1 US-08-469-569-170 Sequence 170, App	.4 422 1 US-08-249-322A-170 Sequence 170, App	.4 422 1 US-08-428-927-3 Sequence 3, Appli .4 422 1 US-08-428-298-3 Sequence 3, Appli	.4 422 1 US-08-339-517-3 Sequence 3, Appli	.4 422 1 US-08-469-526A-170 Sequence 170, App .4 422 2 US-08-734-591A-170 Sequence 170, App	.4 422 2 US-08-469-660-170 Sequence 170, App	.4 422 3 US-08-470-335-170 Sequence 170, App	.4 422 3 US-08-733-V21-1/0 Sequence 170, App .4 422 3 US-08-734-664A-170 Sequence 170, App .4 422 3 US-08-470-339-170 Sequence 170, App
157 8.7 263 4 US-09-953-499-25 Sequence 25, Appl 157 8.7 299 3 US-09-188-390-331 Sequence 21, Appl 157 8.7 299 4 US-09-254-465A-1 Sequence 1, Appl 157 8.7 299 4 US-09-312-283C-189 Sequence 1, Appl 157 8.7 299 4 US-09-312-283C-189 Sequence 31, Appl 157 8.7 299 4 US-09-312-283C-331 Sequence 31, Appl 157 8.7 299 4 US-09-353-499-1 Sequence 1, Appl 157 8.7 299 4 US-09-953-499-1 Sequence 1, Appl 159 8.7 299 4 US-09-953-499-1	8.7 416 4 US-09-638-649-1 Sequence 1, Appli 8.7 416 4 US-08-755-235-2 Sequence 2, Appli 8.7 416 4 US-09-638-648-1 Sequence 1, Appli 8.6 299 3 US-09-188-930-189 Sequence 189, App	55.5 8.6 880 1 US-08-445-640-10 Sequence 10, Appl 55.5 8.6 880 3 US-08-170-558-10 Sequence 10, Appl 55.5 8.6 880 3 US-08-447-314-10 Sequence 10, Appl	55.5 8.6 880 3 US-08-445-461-10 Sequence 10, Appl 55.5 8.6 880 4 US-09-223-490-10 Sequence 10, Appl	8.6 805 3 US-08-985-526-34 Sequence 34, Appl 8.6 1248 4 US-09-949-016-10595 Sequence 10595, A	8.6 1248 4 US-09-949-016-10596 Sequence 10596, A 8.6 1363 4 US-09-375-248-19 Sequence 19, Appl	8.6 1367 1 US-07-811-593-4 Sequence 4, Appl.1 8.6 1367 1 US-07-977-451-6 Sequence 6, Appli. 9.6 1367 1 116-07-046-507-4 camiance 4 appl.1	8.6 1367 1 US-08-252-517-6 Sequence 6, Appli	8.6 1367 l US-07-906-397A-6 Sequence 6, Appli 8.6 1367 l US-08-601-891-6 Sequence 6, Appli	8.6 1367 2 US-09-021-324-6 Sequence 6, Appli 8.6 1367 4 US-09-872-136B-6 Sequence 6, Appli	8.6 1367 5 PCT-US92-02750-8 Sequence 8, Appli 8.6 1367 5 PCT-US92-05401-6 Sequence 6, Appli	155 8.6 1367 5 PCT-US92-09893-6 Sequence 6, Appli 54.5 8.6 462 2 US-08-752-307B-7 Sequence 7, Appli	54.5 8.6 462 3 US-09-707-802-7 Sequence 7, Applia	8.6 465 2 US-08-752-307B-5 Sequence 5, Appli 8.6 465 3 US-09-707-802-5 Sequence 5, Appli	54.5 8.6 465 3 US-09-991-326-5 Sequence 5, Appli 54.5 8.6 602 1 US-08-428-926-5 Sequence 5, Appli	54.5 8.6 602 1 US-08-428-927-5 Sequence 5, Appli 54.5 8.6 602 1 US-08-428-298-5 Sequence 5, Appli	54.5 8.6 602 1 US-08-339-517-5 Sequence 5, Appli 54.5 8.6 1311 1 US-08-340-011-5 Sequence 5, Appli	54.5 8.6 1311 3 US-08-901-710-5 Sequence 54.5 8.6 1311 4 US-09-169-079-5 Sequence	154 8.5 579 3 US-09-173-151A-2 Sequence 154 8.5 686 3 US-09-173-151A-4 Sequence	8.5 477 2 US-08-432-016-3 Sequence 8.5 477 2 US-08-684-594-3 Sequence	8.5 189 4 US-09-270-767-32726 Sequence 32726, A 8.5 189 4 US-09-270-767-47943 Sequence 47943, A	8.5 524 4 US-09-270-767-44009 Sequence 44009, A	8.4 351 5 PCT-US93-05703-2 Sequence 2, Appli	152 8.4 1123 4 US-09-949-016-6230 Sequence 6230, Ap 152 8.4 1128 4 US-09-949-016-7522 Sequence 7522, Ap	51.5 8.4 227 4 US-09-205-258-947 Sequence	51.5 8.4 422 1 US-08-036-555B-170 Sequence	51.5 8.4 422 1 US-08-469-569-170 Sequence 170, App	51.5 8.4 422 1 US-08-249-322A-170 Sequence 170, App	51.5 8.4 422 1 US-08-428-927-3 Seguence 3, Appli 51.5 8.4 422 1 US-08-428-298-3 Seguence 3, Appli	51.5 8.4 422 1 US-08-339-517-3 Sequence 3, Appli	51.5 8.4 422 1 US-08-469-526A-170 Sequence 170, App 51.5 8.4 422 2 US-08-734-591A-170 Sequence 170, App	51.5 8.4 422 2 US-08-469-660-170 Sequence 170, App 51.5 8.4 422 3 US-08-341-018-72 Sequence 72, Appl	51.5 8.4 422 3 US-06-315-170 Sequence 170, App	8.4 422 3 US-08-733-V21-1/0 Sequence 170, App 8.4 422 3 US-08-734-664A-170 Sequence 170, App 8.4 422 3 US-08-470-339-170 Sequence 170, App

Sequence 2, Appli	Sequence 2, Appli Sequence 6728, Ap	Sequence 4, Appli Sequence 2, Appli	Sequence 16, Appl	Sequence 31, Appl	Sequence 32, Appl	Sequence 7565, Ap	Sequence 334, App	Sequence 334, App	Sequence 334, App	Sequence 334, App	Sequence 3548, Ap Sequence 11206, A	Sequence 2, Appli	Sequence 89, Appl	Sequence 28, Appl	Sequence 28, Appl	Sequence 28, Appl Datent No. 5169835	Patent No. 5169835	Sequence 2, Appli	Sequence 5, Appli Sequence 5, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 3, Appii Sequence 1, Appli	Sequence 2, Appli	sequence 2, Appii Sequence 13, Appl	Sequence 24, Appl	Sequence 24, Appl Sequence 26, Appl	Sequence 26, Appl	Sequence 22, Appl Sequence 22, Appl	Sequence 67, Appl	Sequence 6, Appli Sequence 6, Appli	Sequence 7747, Ap	Sequence 7748, Ap	Sequence 7750, Ap	Sequence 7752, Ap	Sequence 7753, Ap	Sequence 2, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 12, Appl	Sequence 2, Appli	Sequence 12, Appl	Sequence 1, Appii	Sequence 2, Appli	Sequence 175, App	Seguence 10, Appl	Sequence 10, Appl	Sequence 15, Appl	Sequence 3, Appir Sequence 23, Appl	Sequence 23, Appl Sequence 25, Appl	
US-08-432	US-08-68 US-09-94	US-09-65	US-09-784	US-08-408	US-09-823-038A-3	US-09-94	US-09-736-457-33	US-09-614-124B-3	US-09-8/1-323-33	US-09-658-824-334	US-09-949-016-95	US-09-653-961-2	US-09-80(	US-08-656	US-08-48	US-08-48	5169835-1	US-09-499	US-08-44	US-07-64	US-07-923	US-08-44 US-08-439	US-08-44	US-08-193-829B-2 US-09-397-243D-1	US-09-25	US-09-95	US-09-953-499-26	US-09-06	US-09-33	<b>.</b> ;	US-09-949-016-77	US-09-945	US-09-949-016-77	US-09-949-016-77	US-09-949-016-77	US-07-640-029-2	US-07-921	US-08-45	US-08-45]	US-08-439-992A-2	US-08-323	US-07-997-133	US-09-677-046A-2	US-09-800-729	US-08-707-802-10	US-09-991-326-10	PCT-US93-0003	US-09-677-046	8-0	
	583 2 646 4			501								646																																					260 4	
	9.5																														•		•								•								8.7	K
65	65.5	65	65	} ~ -	164	v	163.5	wν	oο	91	oφ	9	9	163	163	163	162	161	161	161	161	161	161	ဖ		160	160	160	160	160 160	160	160	160	160	160	160	160	160	160	160	160	ம	n CO		1 2 8	158	158	ດ	157	1
	204 1 205 1				212									225	226	227	229	239	240	242	243	244	246	247		250 251	252	254 254	255	256 257	258	260	261	263	264	266	267	268	270	271	272		275 1	276	278	279			283	; ;
Sequence 8, Appli	Sequence 21, Appl Sequence 28, Appl	Sequence 31, Appl Sequence 31, Appl	Sequence 2, Appli	Sequence 4, Appli	Sequence 1, Appli Sequence 1, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 36, Appl	Sequence 17, Appl	Sequence 17, Appl	Sequence 8168, Ap . Sequence 16, Appl	Sequence 54, Appl	Sequence 55, Appl Sequence 3 Appli	Sequence 3, Appli	Sequence 60, Appl	Sequence 4, Appli	Sequence 7850, Ap	Sequence 10, Appl	Sequence 12, Appi Sequence 10, Appl	Sequence 32898, A	Sequence 48115, A	Sequence 14, Appi Sequence 14, Appl	Sequence 3, Appli	Sequence 6, Appl1 Sequence 32, Appl	Sequence 6116, Ap	Sequence 7525, Ap Sequence 2. Appli	Sequence 2, Appli	sequence z, Appii Sequence 2, Appli	Sequence 2, Appli	Sequence 14, Appi Sequence 32, Appl	Sequence 43068, A	Sequence 4, Appli Sequence 4, Appli	Sequence 13, Appl	Sequence 13, Appl Sequence 14, Appl	Sequence 2, Appli	Sequence 2, Appli	Sequence 15, Appl	Sequence 15, Appl	Sequence 8, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 6198, Ap	Sequence 14, Appl	4.	-i -	24	equence 1,	equence 5, equence 5,	ence	, , , , , , , , , , , , , , , , , , ,
US-09-877-730-8	US-08-506-296B-21 US-08-506-296B-28	US-09-383-586-31 US-09-823-038A-31	US-09-130-158A-2 TIS-09-270-767-44877	3-506-296B-4	US-09-033-118-1	US-08-633-148-2	1-217-299-1	US-08-602-725-36	US-08-389-459A-17	US-08-987-867A-17	US-U9-949-U16-8168 US-09-540-245A-16	US-08-414-657D-54	US-08-414-657D-55 TIS-09-638-649-3	US-09-638-648-3	US-09-823-038A-60	US-08-755-235-4 TR-09-949-016-6213	US-09-949-016-7850	US-09-254-465A-10	US-U9-39/-243D-12 US-09-953-499-10	US-09-270-767-32898	0-270-767-4811	US-U8-Z3Z-S38-14 US-08-786-164-14	US-08-750-141A-3	US-09-119-014D-6 US-08-602-725-32	US-09-949-016-6116	US-09-949-016-7525 US-08-245-295-2	US-08-481-130-2	US-U8-656-984A-Z US-08-485-604-2	US-08-487-595-2	US-08-506-296B-14 US-09-068-051A-32	US-09-270-767-43068	US-U8-432-U16-4 US-08-684-594-4	US-08-232-538-13	US-08-788-184-13 US-09-142-956B-14	US-08-874-678-2	US-09-348-886-2	US-08-232-538-15	US-08-786-164-15	US-07-930-548A-8	US-09-098-707A-2	US-09-483-539-2	US-U9-949-U16-6198 US-09-949-016-6198	US-09-877-730-14	US-09-877-730-4	US-U8-8/4-6/8-1 IIS-U8-643-839-1	US-09-051-363-24	US-09-348-886-1	US-U8-432-U16-5 US-08-684-594-5	US-08-432-016-6 US-08-684-594-6	
4	m m	m vi				✓ 4	٠,	N 4	* ~	m·	4 m	0																												m	m·	4 4	4	4. (	7 ~	n	m c	7 7	0,0	,
150	260 268					340		698	734	734	381	99	66 404	404	373	405	664	300	300	56	26	78,0	338	338 464	46	946	19	2 2	91.	31.	280	466 466	99	764	767	767	788	788	356	356	356	356 456	302	380	758	758	758	278	486	
0.7	0.7 1260	0.6 529	0.6 1209	0.4 1266	0.3 332	۳. ۵	0.3 642	m. m		6.0	0.5	0.5		2.0	2.5	7.0	0.1	٥.	. ص	9.	ب ب	υ'n	.5	ΰυ.	2.	vi rvi	rv. r	υ'n	ι.	٠. 4. L	m, r	j i	9.5	, ri	7.5	! ?!	7.0	7.5	. 2.	.2	2.0	2.0		9.5	, c	! 7.	4.0	, N	7.0	:
10.7		192 10.6 529 192 10.6 529	91.5 10.6 1209 88 5 10.4 651	10.4 1266	85.5 10.3 332	85.5 10.3	85.5 10.3 642	85.5 10.3 85 5 10.3	85.5 10.3	85.5 10.3	185 10.2 1	10.2	10.2	10.2	10.2	7.01	10.1	o 0	ກ ດາ ກຸດ,	9.6	174 9.6	ν ο υ τυ	1.5 9.5 1	1.5 9.5 171 9.5	9.5	თ თ 	o c	ນ ດ ບໍ່ເນີ	8.0	3. 4.	ص ص م	ν ο . υ	9.0	9 6	9.0	9 0	9.0	90 0	2.6	9.2	9.5	2.6	. 6	9.0	y 0	9,00	9.0	y 0 y 0,	2.6	

6, Appli 6, Appli 6, Appli 10,321, A 8, Appli 8, Appli 8, Appli 8, Appli 2, Appli

531, App 4, Appli 9, Appli 9, Appli 9, Appli 32640, A 92, Appl

2, Appli 13, Appl 2, Appli 10503, A 25, Appl 2, Appli 17, Appli 11496, A

4324, A 22, Appl 61, Appl 10, Appli 5, Appli 6, Appli 62, Appli 52, Appli 53, Appli 31, Appli

THIS PAGE BLANK (USPTO)

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                    Length 440;
                                                                                                                                                                                                                                                                                          Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                             Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%; Score 220.5; DB 6; Length 440; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.2%; Score 220.5; DB 6; Length 440; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                        Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                          12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                 Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR69674 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003032122-A1.
Human secreted polypeptide PRO355, SEQ ID NO:34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO08958 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036152-A1.
                                                                                                                                                                                                                                                                                                                                       ABU84584 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003032116-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO09873 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003017543-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU10526 standard; protein; 440 AA.
Human secreted/transmembrane protein #17.
US2002127584-A1.
                                                                                                  ABU87502 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003022293-Al.
30-JAN-2003.
                                                                                                                                                                                                                     ABU91370 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003032128-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU93320 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003017541-A1.
23-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU11312 standard; protein; 440 AA.
Human pro355 protein sequence.
US2002127643-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU80051 standard; protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.2%;
26.0%;
                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                  12.2%;
26.0%;
                                                                                                                                                                    12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO protein #17.
US2003036139-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lotein

LEB-2003.

LOST

Best Local Similarity
RESULT 1490
ID ABU93320 star-
DE Human PPC
PN US?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1487
ID ABU84584 standard; p.
DE Human secreted/trans;
PN US200303216-A1.
PD 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1488
ID ABR69674 standard; p:
DE Human secreted polypo
PN US2003032122-A1.
PD 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1494
                                                                                                                                                                                  Best Local Similarity RESULT 1486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1493
                                                                  Local Similarity
               US2003040069-A1
                                    27-FEB-2003.
                                                                                                                                                                                                                                                                          13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-SEP-2002
                                                  Query Match
                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                   D B B B
                                                                                                                                                                                                                         2 Z E C
 PN PN
```

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                     Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 440;
                                                                                                                                                                                                                                                                                          6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                           Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                        ABU96744 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO355 US2003008352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                             Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABR70589 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003040076-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                          Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO08348 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003044922-A1.
                                                                                                                                                                                                                     ABU95535 standard, protein; 440 AA.
Human PRO polypeptide #17.
US2003032115-A1.
                                                                                  protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO04940 standard; protein; 440 AA
                                                                                                                US200210-2
07-NOV2002.
(GETH ) GENENTECH INC.
12.2%; S'
                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) 27-FEB-2005.
A (GETH ) GENENTECH INC.
Query Match
12.2%;
20.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                               Query Match 12.2%;
Best Local Similarity 26.0%;
RESULT 1495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.2%;
                                                                                                  Human PRO polypeptide #11.
US2002165143-A1.
07-NOV-2002.
12-SEP-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                              Best Local Similarity
RESULT 1496
                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1497
                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 1499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                  ABU67131 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                        13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
Best Local Si
RESULT 1500
                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 440;
                                          Length 440;
                                                                                                                                          Length 440;
                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                         Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU86819 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032131-A1.
                                                                               ABU99788 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003022296-A1.
09-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                          DB 6;
                                                                                                                                         DB 6;
                                                                                                                                                                                                                                                     12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                                                                                                                                               ABR66458 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003027281-A1.
                                                                                                                                                                                                                                                                                              ABR90876 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003040058-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR70284 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003032139-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.2%; Score 220.5; DB 6 26.0%; Pred. No. 3.5e-10;
                                         Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                       12.2%; Score 220.5; DB 6
26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU86514 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003032129-A1.
13-FBE-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #17.
13-PFD A.
                                                                                                                                                                                                                                                                                                                                                                                                ABU94303 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003017540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU79185 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003032106-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO04535 standard; protein; 440 AA Human PRO polypeptide #17.
US2003032107-A1.
13-FEB-2003.
                                         12.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
26.0%;
Lery Match
Best Local Similarity
RESUT 1464
ID ABU99788 stand
DE Novel hum
PN US200
                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                   Best Local Similarity
RESULT 1465
                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 1473
                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                          27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                         23-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-FEB-2003.
                                                                                                                                                                                                                            06-FEB-2003
                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 5 6 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DE DE
                                                                                                                                                                                    9 Z E C
                                                                                                                                                                                                                                                                                                                                                                                                   D N C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D N E D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2882
```

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                          Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 440;
                                                                           6; Length 440;
                                                                                                                                                                                                       Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU91060 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
20.2003036154-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU90153 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
20.2003036153-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                         9
                                                                                                                       ABR65848 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003036165-A1.
                                                                                                                                                                                                         Score 220.5; DB 6,
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                       ABR64565 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34
US2003027262-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                           Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO10840 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036150-A1.
20-PEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU92881 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036142-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO09568 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003044931-A1.
Human PRO polypeptide #17.
US2003022301-A1.
310-AN-2003.
                                                                                                                                                                                                                                                                                                                                                                      ABU79490 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003032110-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU95840 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003036145-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR70894 standard; protein; 440 AA
                                                                                                                                                           US20050
20-PEB-2003.
(GETH ) GENENTECH INC.
Match 'reity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
26.0%;
                                                                                                                                                                                                                     Best Local Similarity RESULT 1476
                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1477
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1484
                                                                                        Best Local Similarity RESULT 1475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-MAR-2003.
                                                                                                                                                                                                            Query Match
                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
(GETH ) GENENTECH INC.
                                                     Best Local Similarity
RESULT 1454
                                                                                                                                                                            Best Local Similarity RESULT 1455
                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1456
                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1457
                                                                                        ABU85899 standard;
                                                                                                                                                                                                                  ABU82186 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 1461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 1458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
   US2003027280-A1
                    06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Si
RESULT 1460
                                      Query Match
                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1459
                                                                                                                                                                               Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.2%; Score 220.5; DB 6; Length 440; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%; Score 220.5; DB 6; Length 440; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                     Length 440;
                                                                                                                                                                                                                                                                                                           Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6; Length 440;
                                                                                                         ABU94915 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
13-2003032123-A1.
13-FBB-2003.
                                                                                                                                                                                                                                 ABU90463 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032108-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU93625 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032119-A1.
                                                                                                                                                                                                                                                                                                         12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                     Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABR64870 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003027263-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR68702 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003027271-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR99063 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003040068-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%; Score 220.5; DB 6 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%; Score 220.5; DB 6 26.0%; Pred. No. 3.5e-10;
Human secreted/transmembrane protein (PRO) #17.
                                                                                                                                                                                                                                                                                                                                                           ABU83974 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003032111-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane protein (PRO) #17
US2003036125-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein, PRO355.
US2002132981-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO06518 standard; protein; 440 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU56947 standard; protein; 440 AA.
Human PRO polypeptide #17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU56311 standard, protein, 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                  12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.2%;
26.0%;
                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.2%;
                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1447
DD Novel human secreted
PN US2003032119-A1.
PD 13-FEB-2003
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Best Local Similarity
RESULT 1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                  Best Local Similarity
RESULT 1444
                                                                                                                                                                             Ouery Match
Best Local Similarity
RESULT 1445
                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                  US2003032105-A1.
                                                                                                                                                                                                                                                                                           13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-SEP-2003
                                                     Query Match
                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                           BEE
```

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                           Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                   Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABUG0351 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2002168715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU81754 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032104-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU65918 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
202003036157-A1.
20-FRB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO355.
US2003036155-A1.
20-FEB-2003.
                                                             Novel human secreted and transmembrane protein PRO355 US2003022300-A1.
                                                                                                                                                                                               Novel human secreted and transmembrane protein PRO355.
US2003036136-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                  Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6;
 Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR59747 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34
US2003032120-A1.
13-FB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%; Score 220.5; DB 6 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU83669 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003032109-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                 Human PRO polypeptide #17.
US2003036138-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #17.
US2003040066-Al.
                                                      protein; 440 AA
                                                                                                                                                                                  protein; 440 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU93935 standard; protein; 440 AA
12.2%;
26.0%;
                                                                                                                             12.2%;
26.0%;
                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.2%;
26.0%;
```

```
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 440;
                                                                             Length 440;
                                                                                                                                                                                         Length 440;
                                                                                                                                                                                                                                                                                                       Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU95225 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
20.57817-A1.
                                                                            Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                       ;
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                   .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6;
                                                                                                                                                                                      Query Match
Best Local Similarity 26.0%; Pred. No. 3.5e-10;
RESULT 1425
DE ABR67068 standard; protein; 440 AA.
DE Human secreted polypeptide PRO355, SEQ ID No:34.
PN US2003027266-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABR69979 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34
US2003032138-A1.
                                                                                                                                                                                                                                                                                                       Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                         ABO01620 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036128-A1.
                                                                                                                                                                                                                                                                                                                                                  ABO15671 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003054483-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU55952 standard, protein, 440 AA.
Human secreted/transmembrane protein, PRO355.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU65280 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003032102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU71128 standard; protein; 440 AA.
Human PRO355 protein.
US2003036143-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABO07738 standard; protein; 440 AA. Human PRO polypeptide #17. US2003032130-A1.
              ABO07433 standard, protein, 440 AA.
Human PRO polypeptide #17.
US2203332117-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US200303.2...
13-FEB-2003.
(GETH ) GENENTECH INC.
12.2%;
                                                                                                                                                                                                                                                                                                                                                                                 US20030-2-20-MAR-2003.
(GETH ) GENENTECH INC.
("Artch '.--itv 26.0%)
                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.2%;
26.0%;
                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.2%;
26.0%;
                                                                            Query Match
Best Local Similarity RESULT 1424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 1429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1433
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 1428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1430 ·
                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1426
                                                                                                                                                                            20-FEB-2003.
                                                                                                                                                                                                                                                                                        06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-FEB-2003.
RESULT 1423
```

```
Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 440;
                                                          Length 440;
                                                                                                                                                                             6; Length 440;
                                                                                                                                                                                                                                                                                   DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                       Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                Human secreted polypeptide PR0355, SEQ ID NO:34.
                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted polypeptide PRO355, SEQ ID NO:34. US2003027269-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human secreted polypeptide PRO355, SEQ ID NO:34. US2003027268-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABR68397 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003027274-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted polypeptide PRO355, SEQ ID NO:34. US2003135-A1.
ABR69312 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US200036132-A1.
20-FEB-2003.
                                                                                                                                                                             Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                 Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU88979 standard; protein; 440 AA.
- Human secreted/transmembrane protein (PRO) #17.
US2003022297-A1.
30-QAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU83059 standard; protein; 440 AA.
                                                                                                  ABO01453 standard, protein, 440 AA. Human PRO polypeptide #17.
US2003008353-A1.
                                                                                                                                                                                                                        protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein; 440 AA
                                                                                                                                US2003...
09-JAN-2003.
(GETH ) GENENTECH INC.
"arch "...ity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USZUGOS.
13-FBB-2003.
(GETH ) GENENTECH INC.
March '12.2%;
                                                         12.2%;
26.0%;
                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABUSS289 standard; protein
Human PRO polypeptide #17.
US2003022295-Al.
                                                                                                                                                                                                                                    Human PRO polypeptide #17.
US2003017542-A1.
                                                                Best Local Similarity
                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1441
                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1440
                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 1436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                        ABU81255 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                     23-JAN-2003,
                                                                                                                                                                                                                                                                                                                                                                         13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-FEB-2003.
                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1442
```

Length 440;

Length 440;

9

Length 440;

. 9

833

us-09-978-544a-523.rag.spdi

```
Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                     ABO06165 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
30-JAN-2030.
                                                                                                                                                                                                                                                                                                                                                                                                                 ABO19127 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003036118-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                            Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                             Human secreted polypeptide PR0355, SEQ ID NO:34 US2003027275-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABR66763 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003036148-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU65585 standard; protein; 440 AA.
Human secreted/transmembrane protein, SEQ ID 34
US2003036156-A1.
                                                                                                                                                                                                                                     Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                  Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane protein (PRO) #17.
US2003027324-Al.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO11145 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036123-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein (PRO) #17.
US2003040060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AB013682 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003044916-A1.
     26.0%; Pred. No. 3.5e-10
                                                                                                                                                                  ABR59201 standard; protein; 440 AA.
                                                                                                                                                                                                                                                                                           ABO09263 standard; protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABUS7246 standard; protein; 440 AA.
Human PRO355 protein.
US2002142958-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AB015976 standard; protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.2%;
26.0%;
                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                  12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-OCT-2002.
(GETH ) GENENTECH INC.
Best Local Similarity RESULT 1413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1422
                                                                                                                                                                                                                                                      Best_Local Similarity
RESULT 1415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1421
                                                                                                              Query Match
Best Local Similarity
RESULT 1414
                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 1416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 1418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                          6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6; Length 440;
                                                                                                              Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU84979 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032114-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO00118 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032101-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU88669 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
20-FEB-20033.
                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                               .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                            ABR78343 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003054474-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2.C.--
UT-OCT-2002.
(GETH ) GENENTECH INC.
(GETY Match 12.2%; Score 220.5; DB 6:
(ery Match 26.0%; Pred. No. 3.5e-10;
     26.0%; Pred. No. 3.5e-10;
                                                                                                              Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                          Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                    Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO11450 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036124-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AB002095 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003040054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #17.
                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein PR0355.
US2002173463-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU03364 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO)
US2003036134-A1.
20-FEB-2003.
                                                       Human secreted/transmembrane protein (PRO) US2003044925-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%; Score 220.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABUS8360 standard; protein; 440 AA.
Novel human secreted protein PRO355
US2002150976-A1.
                                                                                                                                                                                                                                                                                                              ABU64926 standard; protein; 440 AA
                                         ABO18822 standard; protein; 440 AA
                                                                                                                                                                                                                                                                                           Leted/transmembrane
Leted/transmembrane
Leted/transmembrane
Leted/transmembrane
Leted/transmembrane
Leted/transmembrane
Leted/transmembrane
RETHOWS GETH OGENENTECH INC.
Query Match
RESULT 1406
ID ABU94979 standard; pro-
DE Novel human ser
                                                                                                                                                                                                             PD 20-MAR-2003.
PA (GETH ) GENENTECH INC.
Query Match 12.2%;
Best Local Similarity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       secre

LEB-2003.

LEB-2003.

LEBS Local Similarity

RESULT 1407

ID ABO00118 stand

DE Novel hum

PN US200
                                                                                                                         Best Local Similarity
RESULT 1404
ID ABR78243 standard; pr
DE Human secreted polype
PN US2003054474A1.
PD 20-MAR-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1408
ID ABO11450 standard; p
DE Human secreted/trans
PN US2003035124-A1.
PD 20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1409
ID ABO02095 standard; p
DE Human secreted/trans
PN US2003040054-A1.
PD 27-FEB-2003.
Best Local Similarity
RESULT 1403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 1410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1412
                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
```

Length 440;

9

Length 440;

Length 440;

Length 440;

Length 440;

Length 440;

us-09-978-544a-523.rag.spdi

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                       DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                            Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.2%; Score 220.5; DB 6; Length 440;
                                                                                                                   Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 440;
                                                                                                                                                                 ABU96145 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003036144-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU98754 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003013153-A1.
                                                                                                                                                                                                                                                                                                                                                            DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                   DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABR74859 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003040056-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABR94621 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003044926-A1.
06-MAR-2003.
                                              ABR68092 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34
US2003027264-A1.
06-FSB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                     Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                           Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 220.5; DB 6
Pred. No. 3.5e-10;
                                                                                                                 12.2%; Score 220.5; DB 6
26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                       ABU92576 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                           ABO08653 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
06-MAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO02705 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003040062-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABUG0240 standard; protein; 440 AA.
Human PRO polypeptide #11.
US2002132786.A1.
19-SEP-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU85594 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003036140-A1.
12.2%;
26.0%;
                                                                                                                                                                                                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-FEB-2003.
(GETH ) GENENTECH INC.
       Best Local Similarity
RESULT 1383
                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 1385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                Query Match
Best Local Similarity
RESULT 1384
                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-FEB-2003.
                                                                                                                                                                                                                     20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A D N E I
```

```
Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.2%; Score 220.5; DB 6; Length 440;
                                                                                                                                                                                                                                       Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 6; Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                              Length 440;
                                      ABU97969 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355-US2003017544-A1.
                                                                                                                                                                                   Novel human secreted and transmembrane protein PRO355.
US2003027277-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                            Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABR98758 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34.
US2003040064-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.2%; Score 220.5; DB 6 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR99368 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34
US2003040063-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO:34
Best Local Similarity 26.0%; Pred. No. 3.5e-10; RESULT 1393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 220.5; DB 6 Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                          ABU86209 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU67422 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003036162-A1.
20-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO16281 standard, protein, 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003027267-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR92181 standard; protein; 440 AA.
Human secreted polypeptide PRO355, i
US2003036160-A1.
                                                                                                                                                                                                                                                                                            ABU89368 standard; protein; 440 AA.
Human PRO polypeptide #17.
US2003036141-A1.
20-FEB-2003.
                                                                                                                                                                    protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein; 440 AA
                                                                                                              12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 12.2%;
Best Local Similarity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO protein #17.
US2003036137-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                Best Local Similarity
RESULT 1394
                                                                                                                                                                  ABU91675 standard;
                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1395
                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABU80450 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
```

Match

Query Best RESULT

(KENN/)

GREE/)

Match

Query

```
Score 220.5; DB 4; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                       Score 220.5; DB 6; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                              Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 440;
                    Score 220.5; DB 3; Length 440;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 220.5; DB 6; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU89843 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003036147-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                       ABU87964 standard; protein; 440 AA.
Novel human secreted and transmembrane protein PRO355.
US2003032127-A1.
13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 220.5; DB 6;
Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABR66153 standard; protein; 440 AA.
Human secreted polypeptide PRO355, SEQ ID NO:34.
US2003027278-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABR65543 standard; protein; 440 AA.
Human secreted polypeptide PR0355, SEQ ID NO:34
US2003036159-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                               D ABU84279 standard; protein; 440 AA.

E Human secreted/transmembrane protein (PRO) #17.

D 13-FEB-2003.

Query Match 12.2%: Score 220 E. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU99483 standard; protein; 440 AA.
Human secreted/transmembrane protein (PRO) #17.
US2003040070-A1.
27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU55930 standard; protein; 440 AA. Human secreted/transmembrane protein PR0355. US2002142959-A1. 03-007-2002. (GETH ) GENENTECH INC.
                                                                     AAU29040 standard; protein; 440 AA. Human PRO polypeptide sequence #17. W0200166848-A2. 20-SEP-2001. (GFT) GENENTECH INC. 12.2%; Score 22. Puery Match 12.2%; Score 22. Local Similarity 26.0%; Pred. No.
                                                                                                                                                                                                       Human PRO polypeptide #17.
US2003027272-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 26.0%; Pred. RESULT 1381
ID ABU82722 standard; protein; 440 AA. DE Human PRO polypeptide #17.
PN US200302213-A1.
                    12.2%;
26.0%;
                                                                                                                                                                                                                                                                                       12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                              12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.2%;
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 1376
ID ABU84279 standard; pi
DE Human secreted/transn
PN US2003032112-A1.
PD 13-FEB-2003.
                                                                                                                                                                        Best Local Similarity
RESULT 1374
                    Query Match
Best Local Similarity
RESULT 1373
                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                               Length 364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.2%; Score 220.5; DB 8; Length 364; 26.0%; Pred. No. 2.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WASACELLE.
04-APR-2002.
(HUMA-) HUMAN GENOME SCI INC.
(ery Match
12.2%; Score 220.5; DB 5; Length 370;
rend Rimilarity 26.0%; Pred. No. 2.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 12.2%; Score 220.5; DB 3; Length 423; Best Local Similarity 26.0%; Pred. No. 3.3e-10; RESULT 1370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 220.5; DB 2; Length 440; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 402;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 425;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY5093 standard; protein; 423 AA.
Mouse lymphoid derived dendritic cell adhesion molecule
WO200008158-A2.
                                                                                                                                                                                              12.2%; Score 220.5; DB 6; 26.0%; Pred. No. 2.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-5EP-2004.
(SAGR-) SAGRES DISCOVERY INC.
(SAGR-) SAGRES DISCOVERY INC.
12.2%; Score 220.5; DB 8
ery Match 13.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 220.5; DB 4 Pred. No. 3.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human CD-like molecule HATCZ07, SEQ ID NO:268.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO84564 standard; protein; 425 AA.
Human cancer-associated protein HP16-039.1.
WO2004074320-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAM21691 standard; protein; 402 AA.
Human EST encoded protein SEQ ID NO: 1216.
WO200154477-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
Best Local Similarity 26.0%; Pred.
RESULT 1371
ID AAY17830 standard; protein; 440 AA.
DE Human PRO355 protein sequence.
PN W09928462-A2.
                                                                                                                                                                                                                                           ADE86588 standard; protein; 364 AA.
Novel human secreted protein #11.
US2003129685-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB01321 standard; protein; 440 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.2%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO355 polypeptide.
WO200032776-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mc.
-2002.
-2002.
-24Y Match
Best Local Similarity 2
RESULT 1368
ID AAM3691 stand>
DE Human EST
PN WO20015.
PD 02-
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-JUN-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        J.99...
Lary Match
Best Local Similarity ...
RESULT 1372
ID AAB01321 star ...
DE Human PPr...
PD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-FEB-2000.
(IMMV ) IMMUNEX CORP.
                                                                                                                                                             LIU D.
CROCKER P R.
                               YOUNG P E.
KENNY J J.
OLSEN H S.
MOOKE P A.
GREENE J M.
RUBEN S M.
                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                 (YOUN) YOUNG P E. (KENNY) YOUNG P E. (CLSE/) OLSEN H S. (MOOR/) MOORE P A.
                                                                                                                                                                                                                                                                                                                                                                                                         (WEIY/) WEI Y.
(GREE/) GREENE J M.
(RUBE/) RUBEN S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1369
```

Length 1179

12.3%; Score 223; DB 8; 24.8%; Pred. No. 8.2e-10;

```
ADR09753 standard; protein; 595 AA.
Human protein useful for treating neurological disease Seq 3259.
EP1447413-A2.
                   Query Match
Best Local Similarity
RESULT 1357
                                                                                                                                                                                                                                                                                                                                                                T 1359
ABP66789 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
(ROWE/) ROWE T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY53028 standard; protein; 414 AA.

Human secreted protein clone cw1000_2 protein sequence SEQ ID NO:62.

NO9957132-A1.

11-NOV-1999.

(GEMY) GENETICS INST INC.

ery Match

12.3%; Score 223; DB 3; Length 414;

st Local Similarity 24.9%; Pred. No. 1.9e-10;
                                                                                                                                                                                                                                                                                                                                                                           Query Match
12.4%; Score 224; DB 6; Length 1251;
Best Local Similarity 25.9%; Pred. No. 7.3e-10;
RESULT 1351
1D ABU11674 standard; protein; 380 AA.
DE Human MDDT polypeptide SEQ ID 621.
PN WOLZOO279449-A2.
PD 10-0CT-2002.
PA (INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 223; DB 5; Length 1179;
Pred. No. 8.2e-10;
                                                                                                                                                                                                          12.4%; Score 224; DB 8; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 223; DB 8; Length 1179;
Pred. No. 8.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PD 10-OCT-2002.
PA (INCY-) INCYTE GENOMICS INC.
Query Match 12.3%; Score 223; DB 6; Length 380;
Best Local Similarity 26.4%; Pred. No. 1.7e-10;
RESULT 1352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 12.3%; Score 223; DB 6; Length 798; Best Local Similarity 24.8%; Pred. No. 4.8e-10; RESULT 1354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABJ20228 standard; protein; 798 AA.
Human IG gene related protein SEQ ID No 51.
WO200299040-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB97578 standard, protein, 1179 AA.
Novel human protein SEQ ID NO: 846.
WO200222660-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADR28014 standard; protein; 1179 AA.
Long form IGSF9 protein.
WO2004066933-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADR28013 standard; protein; 1179 AA.
Long form full-length IGSF9 protein.
                                                                                                                                                                                                                                                                ADAS5073 standard; protein; 1251 AA.
Human protein, SEQ ID 2641.
EP1293569-A2.
                                                                                                                                                                                                                                                                                                                    19-MAR-2003.
(HELI-) HELIX RES INST.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.3%;
24.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.3%;
24.8%;
                                                                         PAN J.
PAONI N F.
ROY M A.
STEWART T A.
                                                                                                                                                 TUMAS D.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-DEC-2002.
(EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MCLA/) MCLACHLAN K.
(GLAS/) GLASER S.
(PEAC/) PEACH R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MCLA/) MCLACHLAN K.
(GLAS/) GLASER S.
(PEAC/) PEACH R J.
                                                                                                                                                                                                                        Best Local Similarity RESULT 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1353
                                     KLJAVIN I J
MATHER J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                 HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-MAR-2002.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (PEAC/) PEACH R J. (ROWE/) ROWE T.
                                                                                                                                                                                      WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2004066933-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
Best Loca.
RESULT 1356
ID ADR2801
DE Long f
PN W020'
PD 12-
PA (W
PA (P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                   (WILL/)
                                                                                                                                                                                                              Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1355
```

```
/ Match 12.2%; Score 220.5; DB 3; Length 364; Local Similarity 26.0%; Pred. No. 2.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1910;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2012;
                                                                                                                                                                                                                        Length 744;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 744;
                                           Length 595
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH72194 standard; protein; 1068 AA.
Human protein of the invention NOV51d SEQ ID NO:1090.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW42086 standard; protein; 1910 AA.
Human Down syndrome-cell adhesion molecule DS-CAM1.
WO9817795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1164
ID AAB25S86 standard; protein; 364 AA.
DE Protein encoded by human secreted protein gene #11.
PN WO200029435-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW42087 standard; protein; 1571 AA.
Human Down syndrome-cell adhesion molecule DS-CAM2
WO9817795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         مامعة على standard; protein; 164 AA.
Human novel secreted protein from cDNA HOUDJ81 #1.
US2003055231-Al.
18-AUG-2004.
(REAS-) RES ASSOC BIOTECHNOLOGY.
PLY MARCH 12.3%; Score 222; DB 8;
st Local Similarity 27.2%; Pred. No. 3.9e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vuery Match
12.3%; Score 222; DB 8;
Best Local Similarity 24.2%; Pred. No. 8.7e-10;
RESULT 1361
                                                                                                                                                                                                                   Match 12.3%; Score 222; DB 4; Local Similarity 23.6%; Pred. No. 5.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CEDA.) CEDARS SINAI MEDICAL CENT.
ry Match
t Local Similarity 28.6%; Pred. No. 1.8e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 222; DB 5;
Pred. No. 5.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (CEDA-) CEDARS SINAI MEDICAL CENT.
ry Match
Local Similarity 28.6%; Pred. No. 2.3e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 12.2%; Score 221; DB 8; Best Local Similarity 28.6%; Pred. No. 2.5e-09;
                                                                                                                                                                                                                                                                                 ABP66789 standard; protein; 744 AA. Human polypeptide SEQ ID NO 510. US2002090672-A1. 11-JUL-2002. (ROSE/) ROSEN C A. (RUBE/) RUBEN S M. (RABA/) BARASH S C.
                                                           Best Local Similarian RESULT 1388

ID ABBIG202 standard; protein; 744 AA. DE Human cDNA SEQ ID NO: 510.
PN W0200154474-A2.
PD 02-AUG-2001.
PA (HUMA) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADK71092 standard; protein; 2012 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                            12.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human MP21 polypeptide.
WO2004015073-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (EXEL-) EXELIXIS INC. Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1363
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 1360
```

```
PA (GETH) GENENTECH INC.
Query Match
12.4%; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   uuery Match
12.4*; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9*; Pred. No. 6.2e-10;
RESULT 1343
                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224; DB 8; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                      ADJ63563 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2004039164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 23.9%; Score 224; DB 8; RESULT 13.00 (6.2e-10; DB AD006329 standard; protein; 1119 AA. BE Human PRO polypeptide #52. PD 03-ppp.00
                                                                                                             PD 26-FEB-2004.
PA (GETH ) GENENTECH INC.
Query Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1337
                                                                                                                                                                                                                                                                                                                                                         Uuery Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
  23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADRILI91 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. US2004137561-A1.
                                                                                                                                                                                                                                             ADM30007 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003190611-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                             ADJ77458 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2004038336-A1.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADJ65580 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2004038335-A1.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM27716 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2004048333-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADM42440 standard, protein, 1119 AA. Human PRO polypeptide #176. US2004058424-A1. C5-MAR-2004. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM28302 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US20040,,...
22-APR-2004.
(GETH ) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) 15-JUL-2004.

( (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                     09-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-FEB-2004.
(GETH ) GENENTECH INC.
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                            RESULT 1336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A D N E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PN DE 
                                                     PNE
                                                                                                                                                                                                                                                  BREE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PBEE
```

```
Query Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADI96336 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207354-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-AUG-2003.
(GETH) GENENTECH INC.
ery Match 12.4%; Score 224; DB 8;
st Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 8;
Pred. No. 6.2e-10;
ADRIB090 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. US2004147017-A1. 29-JUL-2004. ASHKENAZI A. (BASHK) ASHKENAZI A. (BOTS) BOTGTEIN D. (DESN/) DESNOYERS I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADT03766 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003152922-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADS74729 standard; protein; 1119 AA.
Human secreted/transmembrane protein #56.
US2004185531-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI95784 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2003077659-A1.
C4-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GERRITSEN M E. GODDARD A. GODOWSKI P J. GRIMALDI C J.
                                                                                                                                                                                       GERBER H.
GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                GRIMALDI C J.
CURNEY A L.
HILLAN K J.
KLJAVIN I J.
MATHER J P.
PAN J.
PAONI N P.
ROY M A.
STEWART T A.
                                                              ASHKENAZI A.
BOTSTEIN D.
DESNOYERS L.
EATON D L.
FERRARA N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ASHK/) ASHKENAZI A.
(BOTS/) BOTSTEIN D.
(DESN/) DESNOYERS L.
(ERATO/) EATON D L.
(FERR/) FERRARA N.
(FILW/) FILWAROFF E.
                                                                                                                                                                                                                                        GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                           (TUMA/) TUMAS D.
(WILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                                                                                                           FILVAROFF E. FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1348
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                     GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FONG S.
                                                                                                                                                                          GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                           (EATO/)
(FERR/)
(FILV/)
(FONG/)
                                                                                                                                                                                                                                                                                                                                              (PAON/)
(ROYM/)
(STEW/)
                                                                                                                                                                                                                                                                                                  (KLJA/)
(MATH/)
                                                                                                                                                                                           (GERB/)
                                                                                                                                                                                                                                                    (GURN/)
                                                                                                                                                                                                                                                                                                                                  (PANJ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GRIM/)
                                                                                                                                                                                                                        (3000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local
RESULT 1346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local
RESULT 1349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAOW/
                                                                                                                                                                                                                                        9000
                                                                                                                                                                                                                                                                                    (HILL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FONG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GERB/
```

Length 1119;

```
/S20031000
22-0CT-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) 06-NOV-2003.

1 (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 23.9%;
             (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
                                                                                                                                                                                     Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.

1 (GETH) GENENTECH INC.

Query Match
12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GODD/) DESNOYERS L. (GODD/) GODDARD A. (GODN/) GODOWSKI P J. (GURN/) GUNERY A L. (MATH/) MATHER J P. (WILL/) WILLLIAMS P M. (WODD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                 15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
 06-NOV-2003
                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
(ery Match 12.4%; Score 224; DB 8; Length 1119;
(ery Match 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1327
                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 8; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI15355 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207382-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG09884 standard; protein; 1119 AA.

Novel human secreted and transmembrane protein PR0326.

US2004009984-A1.

15-JAN-2004.

A (GFTH ) GENENTECH INC.

Query Match

Detailarity 23.9%; pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1325
                                                                                           Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                              Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI37755 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003096340-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH97555 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003190610-A1.
                                                                                                                                               ADH60006 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. US2003215904-A1.
                                                                                                                                                                                                                                                                                                  ADH07034 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2004005665-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADI18776 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003152999-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AD181111 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2003207361-A1.
                                                                                                             Jard; prott.

Jed/transmembr.

2003.

J GENENTECH INC.

Local Similarity 23.9%; Pre-
JUT 1321

J APHO7034 standard; protein.
DE Human secreted/transmembre N US200400565-A1.
PP US2004005665-A1.
PP (GDDN) GODD'
PA (GUDN)
PA (GUDN)
PA (GUDN)
PA (GUNN)
PA (WATT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.4%;
                                                                                         12.4%;
23.9%;
               (GURN/) GURNEY A L.
(MATH) MATHER J P.
(WILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1322
ID ADI81141 standard, pro DE Human PRO POLYPEPTIGE PN US2003207361-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-MAY-2003.
(GETH ) GENENTECH INC.
GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1323
                                                                                         Ouery Match
Best Local Similarity
RESULT 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1326
```

```
22-MAY-2003.
(GETH ) GENENTECH INC.
12.4%; Score 224; DB 8; Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1119;
                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO326.
US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI18282 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003207349-A1.
                                                       ADG09232 standard; protein; 1119 AA.
ADG09232 standard; protein; 1119 AA.
US2004009547-A1.
Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                         ; DB 8;
6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                              Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 23.9%; Pred. No. 6.28 RESULT 1335
ID ADM25257 standard; protein, 1119 AA. DE Wan secreted/transmembrane protein, #56. PN US2003096233-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL08916 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003186358-A1.
02-0CT-2003.
                                                                                                                                                                                                                                        DE AD165923 standard; protein; 1119 AA.

DE Human secreted/transmembrane protein, #56.

PD 07-AUG-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 23.9%; Pred. No. 6.2

RESULT 1330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADJ99723 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003187238-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH60666 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2004023331-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                          ADI14687 standard; protein; 1119 AA.
```

Length 1119;

PREED

```
12.4%; Score 224; DB 8; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                      Query macon
Best Local Similarity 13.3%; Pred. No. 6.2e-10;
RESULT 1312
ID ADGES333 standard; protein; 1119 AA.
DE Novel human secreted and transmembrane protein PRO326.
PN US2003207366-A1.
                                                                                                                                                                                                                                                                                                                                      ADH12599 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207378-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG61445 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG54677 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG55717 standard; protein; 1119 AA.
ADG55717 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207369-A1.
                                                                                                                                                                                                                                                PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 8;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                           Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH20606 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2004005553-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH07461 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2004006211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH28532 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003022331-Al.
                                                     protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                         US200320...
06-NOV-2003.
(GETH ) GENENTECH INC.
12.4%; S.
                                                                                                                                         12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PA (GETH ) GENENTECH INC.
Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 13.15
                                                 ADG81094 standard; protein;
Human PRO polypeptide #176.
US2003194793-A1.
                                                                                                      16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-JAN-2004.
(DESN/) DESNOYERS L.
(GODD/) GODDARD A.
              Best Local Similarity
RESULT 1311
                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 1319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                      Length 1119;
                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                        Length 1119,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119
                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane protein PR0326. US2003207415-A1. GETH ) GENEVICH INC.
                                                                                                                                                                                                                                ADG57989 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG71459 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207421-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADHI1975 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG52397 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207414-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG5125 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207416-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 12.4%; Score 224; DB 8; BEST Local Similarity 23.9%; Pred. No. 6.2e-10; ID ADG81646 standard; protein; 1119 AA. DE Human PRO polypeptide #176. PN US2003207805-A1.
                                  12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                              Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                  Query Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                    ADG92817 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003027146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #176.
24-APD-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 23.9%; Pr
RESULT 1310
ID ADG4125 standard; protein; 111
DE Novel human secreted and transm
PN W22003207416-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
23.9%;
                                                                                                                                                                              12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-A1.
2003.
21 A1 GENENTECH I.
21Y MATCh
Best Local Similarity 2
RESULT 1308
ID ADH11975 stand?
DE Novel humar
PD US20032.
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                    (GETH ) GENENTECH INC.
                                                                                                                                                             (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1309
                                                 Best Local Similarity RESULT 1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                           Best Local Similarity RESULT 1303
 06-NOV-2003
                                                                                                                                         06-FEB-2003
                                                                                                                                                                                                                                                                                         06-NOV-2003
                                    Query Match
                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1307
ID ADH30600
DE Human Pl
PN US20030
PD 24-APR-:
PA (GETH )
```

```
Ob-NNV-zvv..
(GETH') GENENTECH INC.
12.4%; Score 224; DB 8; Length 1119;
"T.Acal Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GG-NOV-2003.
(GETH ) GENENTECH INC.
(ery Match 12.4%; Score 224; DB 8; Length 1119;
(ery Match 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                  Score 224; DB 8; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   אסטייבע standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US203207350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG21695 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207389-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG07734 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG55229 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
Novel human secreted and transmembrane protein PRO326 US2003207424-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG24885 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003207427-A1.
                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                          Human PRO polypeptide #176.
US2003207371-Al.
                                                                                                                                                                                                                                                                                                                                                                                                     Luman PRO polypeptide #176.
US2003207374-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG03984 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207423-A1.
                                                                                                                      ADGISS28 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003219885-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003zv...
06-NOV-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003zv,__
06-NOV-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                   PD 27-NOV-2003.
PA (GETH ) GENENTECH INC.
Query March
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                          PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 12.4%;

Best Local Similarity 23.9%;

RESULT 1286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /S2003.cv...
06-000-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 23.9%;
RESULT 1291
ID ADG07734 standard; protein; 1
DE Novel human secreted and tran
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                     Query Match
Best Local Similarity
RESULT 1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                 06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1292
ID ADG5522
DE Novel h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1290
```

```
Score 224; DB 8; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                      Novel human secreted and transmembrane protein PRO326.
US20032073390-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG56885 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO326.
US2003207368-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 مادن المراكبة و protein, 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207420-A1.
                                                                                                                                                                                                                                                             Novel human secreted and transmembrane protein PRO326. US2003207428-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG57437 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003207362-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG55781 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 129
                                                                                                                                                                                            Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                  Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                   ADG92390 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003027145-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG82198 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207358-A1.
                                                                                                                                                                                                                                               protein; 1119 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003zv.c.
06-NOV-2003.
(GETH ) GENENTECH INC.
12.4%; Sr
US200312.
16-007-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                       US20050.
06-FEB-2003.
(GETH ) GENENTECH INC.
MATCH 12.4%;
                                                                                                                                       US20032003.
06-NOV-2003.
(GETH ) GENENTECH INC.
Watch ''ratcy 23.9%;
                                                                                                                                                                                                                                                                                                                                  12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
ry Match
t Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENENTECH INC.
                                                                                                                                                                                                       Best Local Similarity
RESULT 1294
                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1298
                                                                      Best Local Similarity
                                                                                                                                                                                                                                               ADG61997 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                     RESULT 1293
ID ADG60893 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003
                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH )
```

```
Query Match 12.4%; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                   12.4%; Score 224; DB 8; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 8; Length 1119; Pred. No. 6.2e-10;
                                                      Length 1119;
                                                                                                                                                                                    Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                  DE91689 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003199058-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG22054 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207360-A1.
                                                      12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                    Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                 ADG40577 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003225253-A1.
                                                                                                                                                                                                                                  ADE99107 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003211568-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF73971 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003180312-A1.
25-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG02268 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beet Local Similarity 23.9%; Pred. N
RESULT 1272
ID ADG20124 standard; protein; 1119 AA.
DE Human PRO polypeptide #176.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADF98030 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207422-A1.
                                                                                                                                                                              Query Match
Best Local Similarity 23.9%; Pr
RESULT 1267
ID ADE99107 standard; protein; 1111
DE Human secreted/transmembrane pr
PN W3200311568-A1.
PD 13-NOV-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1274
                                                                                                                                                                                                                                                                                                                                                                                                                                 (DESN/) DESNOYERS L.
(GODD/) GODDWRLD A.
(GUDN/) GURNEX A L.
(MATH!) MATHER J P.
(WILL!) WILLIAMS P M.
(WODD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                   23-OCT-2003.
(GETH ) GENENTECH INC.
Ery Match
Best Local Similarity
RESULT 1266
ID ADE91689 stand>
DE Novel humar
PN US20031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
```

```
Unery Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1279 1D ADG05197 standard; protein; 1119 AA. DE Human PRO polypeptide #176. PN US2003207375-A1. PD 06-NOV-200?
                                                                                                                                        vuery Match 12.4%; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 uuery Match 12.4%; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 8; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
ADG24247 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207426-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                      vuery Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUERY MATCh 12.4%; Score 224; DB 8;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query March

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADF73547 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003166051-A1.
                                                                                                                                                                                                                                                         Human PRO polypeptide #176.
US2003208055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG19464 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003207425-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #176.
US2003207357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG03432 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADF99153 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG08358 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lundard; protein,

Lundard; prot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%;
                                                                                                     06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 1282
ID ADG13301 standard; pr
DE Human PRO polypeptide
PN US2003207357-A1.
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
```

Length 1119;

```
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                     23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                          Best Local Similarity RESULT 1257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                    RESULT 1259
ID ADE91094 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-OCT-2003
                                                                                                                13-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1262
                                                                Lery Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1249 ID ADE23329 standard; protein; 1119 AA. DE Human PRO polypeptide #176. PN US2003092108-A1. PD 15-MAY-200?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             wery Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1253 ID ADE8921S standard; protein; 1119 AA. DE Human PRO polypeptide #176. PN US2003199062-A1. PD 23-0CT-20n?
                                                                                                                                                                                                                                                                                   Query Match 12.4%; Score 224; DB 8; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1250
                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USECT_2003.
(GETH ) GENENTECH INC.
(ery Match 12.4%; Score 224; DB 8;
ery Match 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 15-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1255
                                                                                                                                                                                                                                                                                                                                                                                                       ) 15-MAY-2003.
(GETH) GENENTECH INC.
Query March 12.4%; Score 224; DB B;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                               Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE74007 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. US2003148370-A1. O7-AUG-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #176.
US2003092111-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE18354 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2003194794-A1.
                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #176.
US2003092110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE88663 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199054-Al.
23-OCT-2003.
                            12.4%;
                             Ouery Match
Best Local Similarity 23.9%;
RESULT 1248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1256
               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1254
13-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
ID AD
DE HU
PN US
PD 15
```

```
Query Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE92241 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003199051-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1260
12.4%; Score 224; DB 8; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                               Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                 Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 224; DB 8;
Pred. No. 6.2e-10;
                                                    ADE99561 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003211576-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE96680 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003211569-A1.
                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #176. US2003199061-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #176.
032003199063-A1.
                                                                                                                                                                                                   ADE94683 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003199027-A1. CGETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE95235 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003199052-A1. C33-CCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE93345 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199060-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADF34926 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199029-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JS2005...
13-NOV-2003.
(GETH ) GENENTECH INC.
Match 12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USZUCJ.
23-007-2003.
(GETH ) GENENTECH INC.
MATCh --: larity 23.9%;
                                                                                                                         PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
RESULT 1258
                                                                                                                                                                                                                                                                                                 Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-OCT-2003.
(GETH ) GENENTECH INC.
```

Length 1119;

Length 1119;

Length 1119;

RESULT 1232

Length 1119;

Length 1119;

Length 1119;

Length 1119;

RESULT

```
Query Match 12.4%; Score 224; DB 8; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 8; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                          Jr 1240
ADNI4827 standard; protein; 1119 AA.
ADNI4827 standard; protein PRO326
US2003087357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC81089 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003092115-A1.
                                                                                                                ADN15379 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003087356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAX-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
12.4%; Score 224; DB 8;
(ery Match 12.1%; Pred. No. 6.2e-10;
                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                              Ouery Match 12.4%; Score 224; DB 7;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 8;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE79372 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003135025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE79796 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003130489-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD76537 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003100087-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD87901 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003092113-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE75753 standard, protein; 1119 AA.
Human PRO polypeptide #176.
US2003211571-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein; 1119 AA.
37385...
-2003.
) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GETH ) GENENTECH INC. (GETH ) GENENTECH INC. 12.4%; rrv Match 12.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PD 17-JUL-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 12.4%;

Best Local Similarity 23.9%;

RESULT 1243
                                                                                                                                                                                                                                                                                                                                                                           Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #176.
US2003203440-A1.
                                                                                                                                                                                                                                                                                                                                    08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1242
                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD86305 standard;
US2003087385-A1.
                  08-MAY-2003
(GETH ) GEN
                                                         Query Match
Best Local Si
RESULT 1239
                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.4%; Score 224; DB 7; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                             Length 1119;
                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                ADI64053 standard, protein, 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207385-A1.
GG-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI65501 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207387-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH81915 standard, protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207388-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH81363 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207377-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADM82532 standard, protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087355-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADNIS931 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087353-A1.
                                                                                                                                                                                                                                                                                         ADIGEOO2 standard, protein, 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003207386-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JI 1238
ADN16560 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
                                                                           12.4%; Score 224; DB 7; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                      Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%; Score 224; DB 7; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%; Score 224; DB 7; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADJ26457 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
Human secreted/transmembrane protein, #56
                                                                                                                                                                                                                                                                                                                                    /S2003.
36-NOV-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                    12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PD 06-NOV-2003.

PA (GETH ) GENENTECH INC.

QUEYY MATCh 12.4%;

BBST Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        O6-NOV-2003.
A (GETH ) GENENTECH INC.
Query Match
12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23.9%;
                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                                                                                  Best Local Similarity RESULT 1231
                                                                           Query Match
Best Local Similarity
RESULT 1230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1237
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003054349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAR-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003
                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
```

```
ADE92793 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003194777-A1. 16-0CT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                             06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vuery Match
12.4*; Score 224; DB 7; Length 1119;
Best Local Similarity 23.9*; Pred. No. 6.2e-10;
RESULT 1217
                                                                                                                                                                                                   23-OCT-2003.
(GETH ) GENENTECH INC.
(ery Match 12.4%; Score 224; DB 7; Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                    Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE32845 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003194766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lery Match 112.4%; Score 224; DB 7; Ler Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1216
1D ADD8053 standard; protein; 1119 AA
DE Human PRO polypeptide #176
PN US2003207418-A1.
PD OS-NOV-20A-
                                                           PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 12.4%; Score 224; DB 7;
Query Match 23.9%; Pred. No. 6.2e-10;
RESULT 1212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 12.4%; Score 224; DB 7; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1215
                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                 ADD95891 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199059-A1.
                                                                                                                                               ADE22777 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199064-A1.
                                                                                                                                                                                                                                                                                           ADD78895 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003203429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE42537 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2002199032-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE40865 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199031-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE04664 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199034-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD89581 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199028-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lard; protein,
Lud199031-A1.

23-CCT-2003.

PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 23.9%; Pre
RESULT 1219
ID ADE04664 standard; pror
PN US20031990?
PD 23-CCT
PA
                                                                                                                                                                                                                                                                                                                           US200340...
30-OCT-2003.
(GETH ) GENENTECH INC.
12.4%; Sc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 23-0CT-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
RESULT 1218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PD 23-0CT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 1213
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 1214
 RESULT 1211
                                                                                                                                                                                                                                                                                             PPNED
```

```
Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
  Length 1119;
                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AUM55282 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207381.A1.
06-NOV-2003.
(GETH) GENENTECH INC.
                                      RESULT 1221
ID ADG21502 standard, protein; 1119 AA.
DE Novel human secreted and transmembrane protein PRO326.
PN US2003207355-A1.
                                                                                                                                                                                                                    ADG22143 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003207384-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH55834 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003207379-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                             Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH55410 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003039972-A1.
                                                                                                                                                                                                                                                                                                                                                                                    ADF97478 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2003207370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG80542 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207373-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG79990 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003207372-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI38189 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                              US2003207.
06-NOV2003.
(GETH ) GENENTECH INC.
12.4%; S'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-NOV-2003.
1 (GETH ) GENENTECH INC.
Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                       PD 06-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match 12.4%;

Best Local Similarity 23.9%;

RESULT 1222
                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 12.4%;
Local Similarity 23.9%;
Query Match
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 12.4%;
Local Similarity 23.9%;
```

23.9%; Pred. No. 6.2e-10;

```
Best Local Similarity
RESULT 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 12.4%; Score 224; DB 7; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                     Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                       Length 1119;
                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                                                     ADD54169 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003203432-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE32293 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003194765-A1.
                                                                       ; DB 7;
6.2e-10;
                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%; Score 224; DB 7; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-502-2003.
23-602-2003.
(GETH ) GENENTECH INC.
12.4%; Score 224;
                                                                       Score 224;
Pred. No. 6
                                                                                                                                                                                                                                                 ADD92466 standard; protein; 1119 AA. Human PRO polypeptide #176. US2001199030-A1. C3-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE03996 standard, protein, 1119 AA.
Human PRO polypeptide #176.
US2003199057-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 23.9%; Pred. N
RESULT 1198
ID ADE22225 standard; protein; 1119 AA.
DE Human PRO polypeptide #176.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE41985 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194772-A1.
                                                                                                                                                                                                                                                                                                                                                                                     ADD91382 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199055-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1199

ID ADD79449 standard; protein; 1119 AA.

DE Human PRO polypeptide #176.

PN US2003203428-AI.

PD 30-0CT-2003.

PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE17802 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199023-A1.
                                                                                                                                                                                                                                                                                                                                Best Local Similarity 23.9%;
RESULT 1195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
23.9%;
                                                                       12.4%;
23.9%;
                                                                                                                                                                     PD 30-OCT-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh

BEST LOCAL Similarity 23.9%;

RESULT 1194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%;
Query Match
Best Local Similarity 2
RESULT 1193
ID ADDS4169 stand> DE Novel humar
PN US2003 PD 30 - C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
```

```
Score 224; DB 7; Length 1119; Pred. No. 6.2e-10;
                                                                            Length 1119;
                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 7; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                        ADE33397 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003194767-A1.
                                                                                                                                                                                                                                                  ADE33949 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003194791-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                        Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE34927 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003077583-A1.
                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #176. US2003207417-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD93018 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194768-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE19458 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199025-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #176.
US2003199033-A1.
ADD91934 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199053-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LT 1209
ADE18906 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003199026-AI.
                                                                                                                                                         US2003...
16-CCT-2003.
(GETH ) GENENTECH INC.
Match 12.4%; SC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /S2003157.
16-007-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                         12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 23.9%;
RESULT 1209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.4%;
                                                                                                                                                                                                                                                                                                                             Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%;
                                               23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                   16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                         Best Local Similarity
RESULT 1203
                                                                                                                                                                                                                  Best Local Similarity
RESULT 1204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 1207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 1210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                            RESULT 1205
ID ADD80001 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1208
```

```
(GETH ) GENENTECH INC. 12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003.
16-007-2003.
(GETH) GENENTECH INC.
Match ... 1arity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.4%;
23.9%;
                                                                                                                                                                GETH ) GENENTECH INC.
Query Match
12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                      Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                          30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                             Best Local Similarity RESULT 1184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                  05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 1188
                                                                   Length 1119;
                                                                                                                                                                                                     Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                       ADD04581 standard, protein, 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC80537 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003092103-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC79985 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326,
US2003087358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                   Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD05093 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56.US2003104469-A1.
                                                                                                               ADC48477 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194773-A1.
16-OCT--2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                 ADD10006 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003194776-A1. 16-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDI1044 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194774-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC47925 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194771-A1.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADD09454 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194775-Al.
16-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US200315..
16-OCT-2003.
(GETH ) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 23.9%;
RESULT 1177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PD 15-MAY-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 12.4%;

Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 16-OCT-2003.

PA (GETH ) GENENTECH INC.

QUETY MARCH 12.4%;

Best Local Similarity 23.9%;

RESULT 1180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%;
23.9%;
                                                                                                                                                                                                  Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1176
                                                                                                                                                                                                                                                                                                                                                                                                                                         ) 08-MAY-2003.

1 (GETH ) GENENTECH INC.

Query Match 12.4%;

Best Local Similarity 23.9%;
                                      Chery Match Chentre Inc.

Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 1183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 1181
                                   16-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPNED
```

```
Query Match 12.4%; Score 224; DB 7; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1190
                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1119;
   Length 1119;
                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD55598 standard, protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003203437-A1.
                                                                                                                                                                                                                                                                                                                                    RESULT 1186

ID ADD41167 standard; protein; 1119 AA.

DE Novel human secreted and transmembrane protein PRO326

PN US2003203438-A1.
Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Match 12.4%; Score 224; DB 7; Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                              Score 224; DB 7;
Pred, No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 7;
Pred. No. 6.2e-10;
                                                      ADD04099 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003104381-A1.
                                                                                                                                                                                                   ADD03675 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. 22003108983-A1. 12-UNN-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PRO polypeptide #176.
1052003194792-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #176.
1025003203431-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #176.
1025003203430-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD52306 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003194769-A1. 16-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD51754 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194779-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200315*..
16-OCT-2003.
(GETH ) GENENTECH INC.
12.4%; Sr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
```

us-09-978-544a-523.rag.spdi

PN PN

```
GENENTECH INC.
                                                   Best Local Similarity
RESULT 1166
                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1169
                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
US2003087362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAY-2003
                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local
RESULT 1170
                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC52926 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seq ID352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC57280 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seg ID352
                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane protein PRO326.
US203092105-Al.
                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO326, US-2010909106-A1.
                                                                                                                                                                                                                                                                                                                                  ADC71940 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003092107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC60471 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC50946 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087361-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   uuery Match 12.4%; Score 224; DB 7;
Best Local Similarity .23.9%; Pred. No. 6.2e-10;
RESULT 1162
                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
Human secreted/transmembrane protein, #56.
                                                                                     Human secreted/transmembrane protein, #56.
US2003073079-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC65473 standard; protein; 1119 AA.
Human PRO polypeptide #176.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US200308,0...
08-MAY-2003.
(GETH ) GENENTECH INC.
12.4%; S'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US20030-2-
15-MAY-2003:
(GFTH ) GENENTECH INC.
12.4%;
12.4%;
                                                      12.4%;
                                                                                                                                                                        12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%;
                                                                                                                                                                                                                                                                                        12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                          12.4%;
23.9%;
                                                                                                                                             17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                               15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENENTECH INC.
                                          GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                   Best Local Similarity
RESULT 1158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1161
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 1160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1164
                                                                Best Local Similarity RESULT 1157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 1165
             US2003073077-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003087365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-MAY-2003
                                                         Query Match
                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
```

AS SEE

BERE

PNE

PNE

```
Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119
                                                                                                                                                                                                                                                                                                                                  AUCS9055 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seq ID352.
VG2200387359-A1.
                                                                                                                                                            Best Local Similarity 23.3%; Pred. No. 6.2e-10; RESULT 1167

ID ADC53232 standard; protein; 1119 AA.

BE Novel human secreted and transmembrane protein Seq ID352.

PN US2003087364-A1.
                                                   ADCG4571 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seg ID352
US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC55933 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seg ID352.
US2003087360-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADCS8503 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein Seg ID352.
US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and transmembrane protein PRO326 US 003092104-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADC90169 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OLYMY-2003.

(GETH ) GENENTECH INC.

(GETH ) GENENTECH INC.

12.4%; Score 224; DB 7;

(GET) MAtch 12.4%; Score 224; DB 7;
Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein, #56.
US2003082541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADC69588 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003194770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC12538 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                            USZUDOU

08-MAY-2003.

(GETH ) GENENTECH INC.

12.4%;

12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /S2003u>-
L5-MAY-2003.
(GETH ) GENENIECH INC.
12.4%;
                                                                                                                                               12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%;
                   23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                            08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
```

```
20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1155
                                                                                                                                                                                                                                               PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

QUELY MATCh 12.4%; Score 224; DB 7; Length 1119;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vuery Match
12.4*; Score 224; DB 7; Length 1119;
Best Local Similarity 23.9*; Pred. No. 6.2e-10;
RESULT 1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 12.4%; Score 224; DB 7; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID ADB46520 standard; protein; 1119 AA.

DE Novel human secreted and transmembrane protein PR0326.

PN US2003082622-A1.

PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 7; Length Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                   ADB47100 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                    ADB77312 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082696-AI.
US2003082696-AI.
(GETH ) GENENTECH INC.
12.4%; Score 224; DB 7; Length
Et Local Similarity 23.9%; Pred. No. 6.26-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 7;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1142
                                                                              PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1139

ID ADB86707 standard; protein; 1119 AA.

DR Human PRO polypeptide #176.

PN US2003082697-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB35573 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352.
US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PRO polypeptide SEQ ID NO 352. US200307716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB35021 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352.
US2003077718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB36125 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352.
US2003077720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB34469 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352.
US2003077717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PD 24-APR-2003.
PA (GETH ) GENENTECH INC.
QUERY MARCH 12.4%;
Best Local Similarity 23.9%;
RESULT 1145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 24-APR-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh

Best Local Similarity 23.9%;

RESULT 1146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 1141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 1143
ID ADB3391'
DE Human PI
PN US20030'
PD 24-APR-'
PA (GETH )
RESULT 1138
                                                                                                                                                                                                                                                                                                                                                      PPRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E D
```

```
Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                 PD 27-MAR-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 7;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                      Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC40911 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003054400-A1.
ADC28602 standard; protein; 1119 AA.

3 Human secreted/transmembrane protein, #56.

4 US2003059772-A1.

A (GFTH) GENENTECH INC.

A (GFTH) GENENTECH INC.

Best Local Similarity 23.9%; Pred. No. 6.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC34440 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US200303694-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC29495 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56. US2003049676-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted/transmembrane protein, #56.
US2003054441-A1.
                                                                                                                                                              ADC39802 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003059828-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC19140 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US200303661-Al.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 1153
ID ADC28026 standard; protein; 1119 AA.
BE Human secreted/transmembrane protein, #56.
PN US2003049677-A1.
                                                                                                                                                                                                                                                                                                                               ADC11316 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003059829-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC19568 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC34016 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS20030502
20-FEB-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                PD 27-MAR-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh

12.4%;

Best Local Similarity 23.9%;

RESULT 1149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-MAR-2003.
(GETH) GENENTECH INC.
QUETY MARCH
12.4*;
Best Local Similarity 23.9*;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
ry Match 12.4%;
t Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
```

23.9%; Pred. No. 6.2e-10;

```
Best Local Similarity RESULT 1129
                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 12.4%; Score 224; DB 7; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1126
                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 7; Length 1119;
                                                                             ADA88587 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003073213-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           D ADA2329 standard; protein; 1119 AA.

E Novel human secreted and transmembrane protein PRO326.

N US2003082712-A1.

D 01-MAY-2003.

A (GFTH ) GENENTECH INC.

12.4*; Score 224; DB 7; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB22282 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
08-0303087344-A1.
08-MAY-2003.
 27-MAR-2003.
(GETH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 7;
Query Match 12.3%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-ARK-ZVUJ.
(GETH ) GENENTECH INC.
iry Match
12.4%; Score 224; DB 7;
iry Match
23.9%; Pred. No. 6.2e-10;
                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                    12.4%; Score 224; DB 7; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                           ADA97592 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082686-Al.
                                                                                                                                                                                                                                                                                                                                     ADB27349 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003022239-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO17606 standard, protein, 1119 AA.
Human PRO polypeptide #52.
US2003064923-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA66973 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003068793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB22834 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003077711-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB23607 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352.
US2003077712-Al.
                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 23.9%; P.
RESULT 1122
ID ADB27349 standard; protein; 11:
DE Human PRO polypeptide #176.
PN US2003022239-A1.
PD 30-JAN-2003.
                                                                                                                                                             12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
RESULT 1128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                         01-MAY-2003;
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                               (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1125
                                          Best Local Similarity RESULT 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity
RESULT 1124
                                                                                                                                                                          Best Local Similarity RESULT 1121
                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
Best Local Similarity
RESULT 1123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-APR-2003
                                                                                                                            17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-APR-2003
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2882
                                                                               PERE
                                                                                                                                                                                                                           PN CE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A D N E D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AD NED
```

```
OL-MAY-2003.
(GETH ) GENENTECH INC.
ery Match 12.4%; Score 224; DB 7; Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                          Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB66564 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082689-A1.
(GBTH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB19477 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082764-A1.
                                                                                                                                                ADB38644 standard, protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082766-A1.
                                                                                                                                                                                                                                                                                   Jr 1131
ADB38092 standard; protein; 1119 AA.
Wovel human secreted and transmembrane protein PRO326.
US2003087347-A1.
                                                                                                                                                                                                                                                                                                                                                      PD 08-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 7;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB77820 standard; protein; 1119 AA. Human secreted/transmembrane protein, #56.092070644A1. 24-APR-2003. (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB74956 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003082542-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADBB9644 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082698-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB90376 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003082762-A1. 01-MAY-2003 (GETH ) GENENTECH INC.
ADB15392 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003087352-A1.
                                                                                                                                                                                          USzucz..
01-MAY-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 23.9%;
RESULT 1136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.4%;
                                                     PD 08-MAY-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 12.4%;

BEST Local Similarity 23.9%;

RESULT 1130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

QUENY MATCH 12.4%;

BEST Local Similarity 23.9%;

RESULT 1134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 1133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 1137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 1135
ID ADB77820 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
```

```
Query Match
Best Local Similarity 23.9%;
                   27-FEB-2003.
(GETH ) GENENTECH INC.
 US2003039969-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 12.4%; Score 224; DB 6; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                      Length 1119;
                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB21730 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA86932 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082709-A1.
                                                                                                                                                                                                                             LOUGH HIND AN.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1104

ID B Human PRO polypeptide #176.

PD Human PRO polypeptide #176.

PD 01-MAY-2003
                                  24-APR-2003..
(GETH) GENENTECH INC.
Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USACCTOONS.
USACCTOONS.
(GETH ) GENENTECH INC.
(GETY Match
12.4%; Score 224; DB 6;
ery Match
23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                             PD 01-MAY-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCh 12.4%; Score 224; DB 6;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein, #56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB26245 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082760-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA77509 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003068797-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1108

ID ADB18249 standard; protein; 1119 AA.

DE Human PRO polypeptide #176.

PN US2003077710-A1.
                                                                                                                        ADA96488 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082690-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA16754 standard; protein; 1119 AA.
Human PRO polypeptide SEQ ID NO 352 US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003000.
10-APR-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003002.
01-MAY-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 23.9%;
RESULT 1109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 23.9%;
RESULT 1107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 1110
1D ADA16754 standard;
DE Human secreted/trans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                       RESULT 1102
```

```
0 20-MAR-2003.

1 (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 7; Length 1119;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7; Length 1119; Pred. No. 6.2e-10;
Score 224; DB 7; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                            ADA88035 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003082700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1114
ID ADMAGA(32 standard, protein; 1119 AA.

DE Novel human secreted and transmembrane protein PRO326, PN US2003054516-A1.
                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 7;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA42901 standard, protein, 1119 AA.
Human secreted/transmembrane protein, #56.
US2003054351-A1.
                                       Human secreted/transmembrane protein, #56. US20622-A1.
                                                                                                                                                                                               ADA42051 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003082540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA17398 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
23.003013017498-A1.
23.07NN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB28453 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082699-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB22005 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082706-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA76957 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003059909-Al.
                                                                                      US20030455-
13-MAR-2003.
(GETH ) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2003u1...
23-JNN-2003.
(GETH ) GENENTECH INC.
12.4%; Sr
                                                                                                                                                                                                                                                                                                                                                                                    PD 01-MAY-2003.
PA (GETH ) GENENTECH INC.
QUETY MARCH 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              )1-MXY-2003.
)1-MXY-2003.
(GETH ) GENENTECH INC.
"" MATCh "....itv 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 1116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                   RESULT 1111
ID ADA13183 standard;
```

```
ADB24159 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-MAY-2003
(GETH ) GEN
                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 6; Length 1119;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vuery Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1091
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1119;
                            ABO43324 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003044945-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADABS276 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003082695-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA84724 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003082708-A1.
                                                                                                                                                                                                                                                                                                                                                         L2.4%; Score 224; DB 6;

L2.4%; Score 224; DB 6;

L2.4%; Pred. No. 6.2e-10;

L2.4%; Pred. No. 6.2e-10;

L2.4%; Pred. No. 6.2e-10;

L2.4%; Score 224; DB 6;

L2.4%; L2.4%; Score 224;

L2.4%; L2.4%; L2.4%;

L2.4%; L2.4%; L2.4%; L2.4%;

L2.4%; L2.4%; L2.4%; L2.4%;

L2.4%; L2.4%; L2.4%; L2.4%; L2.4%;

L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%;

L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4%; L2.4
                                                                                    PD 06-MAR-2003.
PA (GETH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 6;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USACCOLO

OL-MAY-2003.

(GETH ) GENENTECH INC.

(GETY MATCh 12.4%; Score 224; DB 6;

ery Match 12.4%; Score 224; DB 6;

ery Match 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                    ADA74478 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA82235 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082701-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA75198 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003073216-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO17545 standard; protein; 1119 AA.
Human PRO polypeptide #52.
US2003064367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ IL

Lery Match
Best Local Similarity 23.9%; Prec
RESULT 1087

ID ADA82235 standard; prof
PN US200308270**
PD 01-May
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003vc...
01-MAY-2003.
(GETH ) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003051.
03-APR-2003.
(GETH ) GENENTECH INC.
12.4%; Sc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 23.9%;
RESULT 1089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 1092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 1088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
RESULT 1083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPRE
```

```
Query Match 12.4%; Score 224; DB 6; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 12.4%; Score 224; DB 6; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                  Length 1119;
                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                           Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                  Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                           Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score.224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #176.
US2003077721-Al.
ADB29980 standard, protein, 1119 AA. Human PRO polypeptide #176.
US2003073214-A1.
17-ARR-2003.
(GETH ) GENENTECH INC.
                                                                                                                       Human PRO polypeptide #176.
US2003082761-Al.
                                                                                                                                                                                                                                                          ADA75750 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB26797 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003092147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB31084 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003096386-A1.
                                                                                                                                                                                                                                                                                                                                                                                         protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB25271 standard; protein; 1119 AA. Human PRO polypeptide SEQ ID NO 352. US2003077715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADAG1012 standard; protein; 1119 AA.
Homo sapiens.
US2003049817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96380-...
-2003.
) GENENTECH INC.
12.4%; Sr
23.9%; F
                                                                                                                                                                                                                                                                                            USZOUSUCE
01-MAY-2003.
(GETH ) GENENTECH INC.
MATCh --1arity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                          USZUCZ...
17-APR-2003.
(GETH ) GENENTECH INC.
MAtch ...arity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JSZOCZ 24-APR-2003.
24-APR-2003.
(GETH ) GENENTECH INC.
12.4%;
vvv Match 12.4%;
                                                                                  12.4%;
                                                                                                                                                                                                             12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 23.9%;
RESULT 1099
                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO polypeptide #176
US2003073210-A1.
                                                                                                                                                                               01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                              Best Local Similarity RESULT 1093
                                                                                                                                                                                                                       Best Local Similarity
RESULT 1094
                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 1096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1098
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 1100
                                                                                                                                                                                                                                                                                                                                                                                        ADA46975 standard;
```

```
PD 01-MAY-2003.
PA (GENTH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 6; Length 1119;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DDA87483 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003087345-A1.
(08-MAY-2003.
(CETH ) GENENTECH INC.
12.4%; Score 224; DB 6; Length 1119;
                                                                                                                                                              Score 224; DB 6; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 10-APR-2003.

PA (GETH) GENENTECH INC.

Query Match 12.4*; Score 224; DB 6; Length 1119;

Best Local Similarity 23.9*; Pred. No. 6.2e-10;

RESULT 1069
Score 224; DB 6; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA85828 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 6;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
RESULT 1071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                          Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                       ABO32807 standard, protein; 1119 AA.
Human secreted/transmembrane protein PRO326.
US2003045693-A1.
                                                                                                                                                                                                                                                                                                                                                                                   AB032808 standard; protein; 1119 AA.
Human secreted/transmembrane protein PR0332.
US2003045693-A1.
                Best Local Similarity 23.9%; Pred. No. 6.2
RESULT 1065
DE Human secreted/transmembrane protein, #56.
PN US200309971-A1.
PD 27-FBB-2003.
PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA67525 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003068795-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB30532 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003068794-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA97040 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082705-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA79344 standard; protein; 1119 AA. Human PRO polypeptide #176. US2003082763-A1. COL-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                             US200303.
06-MAR-2003.
(GETH ) GENENTECH INC.
"artch 17:48;
12.4%;
23.9%;
                                                                                                                                                            12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 06-MAR-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%;

Best Local Similarity 23.9%;

RESULT 1068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%; 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
12.4%;
Best Local Similarity 23.9%;
RESULT 1070
                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 1067
                                                                                                                                                                             Best Local Similarity RESULT 1066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 1073
                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
  Query Match
```

```
OU-MAY-2003.
(GETH ) GENENTECH INC.
Query Match 12.4%; Score 224; DB 6; Length 1119;
                                                                                                                                                                                                                                                                             Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1119;
                                                                                                                                Score 224; DB 6; Length 1119; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADBIESUI Standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003073211-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB19912 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082691-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA91777 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326
US2003082694-A1.
Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1074
                                                                                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                ADA16330 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003049621-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #176. US2003082710-A1.
                                                                                                                                                                               AB034867 standard; protein; 1119 AA. Human PRO polypeptide #52. US2003044793-A1.
                                         ADB16685 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA94016 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003077722-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB14840 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003087351-A1.
                                                                                                                                                                                                                      /S2003041...
06-MAR-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003.
24-APR-2003.
(GETH ) GENENTECH INC.
"Match '11arity 23.9%;
                                                                                              PD 08-MAY-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%;

Best Local Similarity 23.9%;

RESULT 1075
                                                                                                                                                                                                                                                                                                                                                                                                  PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 23.9%;
RESULT 1077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 23.9%;
RESULT 1079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
ry Match 12.4%;
t Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 1076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1080
```

Length 1119;

Length 1119;

Length 1119;

Length 1119;

Length 1119;

```
Query Match 12.4%; Score 224; DB 6; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane protein PRO326.
US2003068796-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA86380 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003082711-A1.
                                                                                                                                                                               17-APR-20US.
(GETH ) GENENTECH INC.
2ry Match 12.4%; Score 224; DB 6;
2ry Match 12.9%; Pred. No. 6.2e-10;
                       Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USACCE DE STATE OF THE STATE OF STATE O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                   ADB20499 standard; protein; 1119 AA.
Human secreted/transmembrane protein, #56.
US2003092002-A1.
                                                                              Human PRO polypeptide #176.
17-ann - 2017-212-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO polypeptide #176.
US2003073215-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 23.9%; Pred. N
RESULT 1063
LD ADBIS944 standard; protein; 1119 AA.
DE Human PRO polypeptide #176.
PN US2003087350-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA18952 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003054517-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB27901 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003082704-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA61575 standard; protein; 1119 AA.
                       12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                               USZNOZZ
15-MVZ-2003.
(GETH ) GENENTECH INC.
MATCh '12-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USZUGOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOSOCIONOS
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                            Best Local Similarity RESULT 1057
                                       Best Local Similarity
RESULT 1056
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 1058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 1059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 1061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1060
ID ADB19360 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
US2003049816-A1.
                                                                                                                                                                             17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1119;
                                                 Length 1119;
                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA45871 standard, protein, 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003022328-A1.
30-JAN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABUGGG73 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2003017463-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABUG7021 standard; protein; 1119 AA.
Human secreted/transmembrane, PRO, protein SEQ ID 352
US2003032155-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DE Human secreted / transmembrane polypeptide PR0326.
PN US2003036060-A1.
PD 20-FBB-2003.
PA (GSTH) GENENTECH INC.
Query Match 12.4%; Score 224; DB 6; Le Best Local Similarity 23.9%; Fred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO14655 standard; protein; 1119 AA.
Human secreted / transmembrane polypeptide PRO326.
US2003027143-A1.
06-FEB-2003.
       CENENTECH INC.
GENENTECH INC.
ih
c:m:larity 23.9%; Pred. No. 6.2e-10;
                                                                                                                      ABUS9826 standard; protein; 1119 AA.
Novel secreted and transmembrane protein PRO326.
US2003017563-A1.
                                                                                                                                                                                                                                                                                                                ABO25016 standard; protein; 1119 AA.
Human secreted/transmembrane protein (PRO) #176.
US2003036179-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                      Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%; Score 224; DB 6; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PD 13-FEB-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 6;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.4%; Score 224; DB 6; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query March
Best Local Similarity 23.9%; Pred. No. 6.2
Best Local Similarity 23.9%; Pred. No. 6.2
DE Human secreted/transmembrane protein, #54.
PN US2002160374-Al.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted protein; 1119 AA. US2003023054-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO14916 standard; protein; 1119 AA.
                                                                                                                                                                                                                                                                                                                                                                               12.4%;
                                                                                                                                                                                                                                                    12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .,t...
2002.
2002.
.iH ) GENENTECH IN
.ery Match
Best Local Similarity 2.
RESULT 1050
ID ABU67396 standa-
DE Human secre
PD 30-
PA 30-
                                                                                                                                                                                                    23-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                            Query Match
Best Local Similarity
RESULT 1047
                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 1048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 1051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 1055
06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
```

Length 1119;

Length 1119;

Length 1119;

```
Query Match 12.4%; Score 224; DB 6; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1042
                                                       Query Match 12.4%; Score 224; DB 4; Length 1119; Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                            Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1119;
                                                                                                                                                                                                                                                                                   ABO17791 standard, protein; 1119 AA.
Novel human serreted and transmembrane protein PRO326.
US2003032156-A1.
13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABO01825 standard; protein; 1119 AA.
Novel human secreted and transmembrane protein PRO326.
US2002197671-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ncou/413 standard; protein; 1119 AA.
Human secreted/transmembrane polypeptide PRO326.
US2003044839-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-JAN-zous.
(GETH) GENENTECH INC.
2ry Match 12.4%; Score 224; DB 6;
2ry Match 12.3%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 6;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 12.4%; Score 224; DB 6;
Best Local Similarity 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU71942 standard; protein; 1119 AA.
Human secreted/transmembrane protein PRO326.
US2003003530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABU54398 standard; protein; 1119 AA.
Human secreted/transmembrane protein PRO326.
US2002132240-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU81045 standard; protein; 1119 AA. Human PRO polypeptide #176.
US2003004311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABU71496 standard, protein; 1119 AA.
Human PRO polypeptide #52.
US2002192659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABUG6745 standard; protein; 1119 AA.
Human PRO polypeptide #176.
US2003036180-Al.
                                                                                                                        protein; 1119 AA
                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 19-DEC-2002.
PA (GETH ) GENENTECH INC.
OUEZY MATCh 12.4%;
Best Local Similarity 23.9%;
RESULT 1041
                                                                                                                                                                                                                           Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
ry Match 12.4%;
t Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                       Human PRO polypeptide #52
US2002146709-A1.
10-OCT-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-JAN-2003.
(GETH ) GENENTECH INC.
WO200140466-A2.
07-JUN-2001.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-SEP-2002
                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 25-MAR-1999.

PA (GETH) GENENTECH INC.

Query Match 12.4%; Score 224; DB 2; Length 1119;

Best Local Similarity 23.9%; Pred. No. 6.2e-10;

RESULT 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%; Score 224; DB 4; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                              Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%; Score 224; DB 3; Length 1119; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 23.9%; Score 224; DB 4; Best Local Similarity 23.9%; Pred. No. 6.2e-10; RESULT 1036 AAU00827 standard; protein; 1119 AA.

DE Human immune response protein PR0326 (UNQ287). PD 22-MAR-2001.

PA (GETH ) CRNDUMMENTAL
                                                                                                                                                                                                                                                                                                                                                                                                     query Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 5.8e-10;
RESULT 1031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%; Score 224; DB 3; 23.9%; Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 4;
Pred. No. 6.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY70674 standard, protein, 1119 AA.
Human PRO326 protein.
WO200015797-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB80263 standard; protein; 1119 AA.
Human PRO326 protein.
WO200104311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB48162 standard; protein; 1119 AA.
Human PRO326 polypeptide.
WO200075316-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY08114 standard; protein; 1119 AA.
Human PRO326 protein.
WO9914241-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC78606 standard; protein; 1119 AA.
Human PRO326 protein.
WO200015796-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAU12347 standard; protein; 1119 AA.
Human PRO326 polypeptide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1035
                                                                                                                                                                                                                                                                  (PANJ)) PAN J.
(PANJ) PAN J.
(ROYM) ROY M A.
(STEW) STEWART T A.
(TUNA) TUNAS D.
(WILL) WILLIAMS P M.
(WOOD) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-DEC-2000.
(GETH ) GENENTECH INC.
                                                                                                   GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-JAN-2001.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC
                                                                                                                                           GODOWSKI P J.
                                                                                                                                                                   GRIMALDI C J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 1034
                                                                                                                                                                                                                           KLJAVIN I J.
MATHER J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 1037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 1033
                                                                                                                                                                                    GURNEY A L.
HILLAN K J.
                                                                                                                          GODDARD A
                                                                                 GERBER H.
                                                              GAO W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
```

```
Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 1025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GERRITSEN M E. GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BOTSTEIN D.
DESNOYERS L.
EATON D L.
FERRARA N.
FILVAROFF E.
FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GODOWSKI P J. GRIMALDI C J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLJAVIN I J.
MATHER J P.
PAN J.
PAONI N F.
ROY M A.
STEWART T A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TUMAS D.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ASHKENAZI A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GURNEY A L.
HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GERBER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (WILL/) V
(WOOD/) V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ASHK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (EATO/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PAON/)
(ROYM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (PANJ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (TUMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GAOW/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILV/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FONG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GURN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (STEW/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     052-WAY-2003.
22-MAY-2003.
(GETH ) GENENTECH INC.
12.4%; Score 224; DB 8; Length 1059;
                                               12.4%; Score 224; DB 8; Length 1059; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                    Length 1059;
                                                                                                                                                                                          Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%; Score 224; DB 8; Length 1059; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1059;
                                                                                                                                                                                       12.4%; Score 224; DB 8; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.4%; Score 224; DB 8; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 12.4%; Score 224; DB 8; Local Similarity 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%; Score 224; DB 8; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 8;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                              12.4%; Score 224; DB 8; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 12.4%; Score 224; UN Best Local Similarity 23.9%; Pred. No. 5.88 RESULT 1024

ID ADM25253 standard; protein; 1059 AA.

DE Human secreted/transmembrane protein, #54.

PN US2003096233-A1.
                                                                                                 AD165492 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
                                                                                                                                                                                                                                          ADI37751 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003096340-A1.
                                                                                                                                                                                                                                                                                                                                                                                 ADH97551 standard; protein; 1059 AA. Human secreted/transmembrane protein, #54.082003190610-A1. GCTT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADI65919 standard, protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003148371-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH60662 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2004023331-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADJ99719 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003187238-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted/transmembrane protein, #54. US2003186358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL08912 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (DESN/) DESNOYERS L.
(GODD/) GODDARD A.
(GODO/) GODNOWN P J.
(GURN/) GUNERY A L.
(MATH/) MATHER J P.
(MILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                               22-MAY-2003.
(GETH ) GENENTECH INC.
          14-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                    07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 1023
                                                        Best Local Similarity RESULT 1017
                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 1019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 1022
                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                     US2003148419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Si
RESULT 1021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                               Query Match
                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                         RESULT 1018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1020
```

```
...grh 1059
...grH ) GENENTECH INC.
Query Match
Best Local Similarity 23.9%; Pred. No. 5.8e-10;
RESULT 1030
ID ADS74725 standard; protein; 1059 AA.
DE Human Bescreted/transmembrane protein #54
PN US2004185531-A1.
PA (ASHK/) ASHKENAZI A
PA (BOTS/)
PA (BOTS/)
PA (DESN/)
                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 23.3%; Pred. No. 5.8e-10;
RESULT 1028

D ADRI8086 standard; protein; 1059 AA.

DE Human secreted/transmembrane protein, #54.

D 29-JUL -2004
                                                                                                                                                                                                                                     PD 03-FEB-2004.

PA (GETH) GENENTECH INC.

Query Match

Query Match

Query Match

12.4*; Score 224; DB 8; Length 1059;

Best Local Similarity 23.9*; Pred. No. 5.8e-10;

RESULT 1027

RESULT 1027

E ADRII177 standard; protein; 1059 AA.

DE Human secreted/transmembrane protein, #54.

PN US2004137561-A1.

PD 15-JUL-2004.

PA (GETH) GENENTECH INC.

17.4*. Score 224; DB 8; Length 1059;
                                                                                                              Length 1059;
                                                              PD 09-OCT-2003.

PA (GETH ) GENENTECH INC.

Query Match 12.4%; Score 224; DB 8;

Best Local Similarity 23.9%; Pred. No. 5.8e-10;

RESULT 1026
ADM30003 standard; protein; 1059 AA. Human secreted/transmembrane protein, #54. US2003190611-A1.
                                                                                                                                                                    AD006325 standard; protein; 1059 AA. Human PRO polypeptide #50.
US6686451-B1.
```

```
Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 1009
                                                                                                                                                                                                                                                                                                                                                                                           06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GODD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (WILL/)
(WOOD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (DESN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DESN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GURN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MATH/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1016
                                                                                Leery Match 12.4%; Score 224; DB 8; Length 1059; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 1002

ID ADE73468 standard; protein; 1059 AA.

PN US2003129592-A1.

PD 10-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADF73967 standard; protein; 1059 AA.

Human secreted/transmembrane protein, #54.
US2003180312-A1.
25-SEP-2003.
(GETH ) GENENTECH INC.
12.4%; Score 224; DB 8; Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 12.4%; Score 224; DB 8; Length 1059; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 1006
                                         Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.4%; Score 224; DB 8; Length 1059; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-NOV-20US.
(GETH ) GENENTECH INC.
ixy Match 12.4%; Score 224; DB 8;
ixy Match 12.4%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                        USACCOLOGOS.
10-JUL-2003.
(GFH) GENENTECH INC.
(GFY Match 12.4%; Score 224; DB 8;
ery Match 23.9%; Pred. No. 5.8e-10;
                                         Score 224; DB 8;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 12.4%; Score 224; DB 8; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 1004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PD 13-NOV-2003.

PA (GETH) GENENTECH INC.

Query Match 12.4%; Score 224; DB 8;
Best Local Similarity 23.9%; Pred. No. 5.8e-10;

RESULT 1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE99557 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003211576-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE99103 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003211568-A1.
13-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                         ADE74003 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003148370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE98676 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003211569-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG40573 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003225253-A1.
         17-JUL-2005.
(GETH ) GENENTECH INC.
12.4%;
                                         Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GODD/) GODDARD A. (GODO/) GODOWSKI P J. (GURN/) GURNEY A L. (MATHE) MATHER J P. (WILL/) WILLIAMS P M. (WODD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                              07-AUG-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ...HER J
...DV/) WILLIAMS P
...DD/) WOOD W I.
...ery March
Best Local Similarity 2
RESULT 1008
ID ADF73967 standar
DE Human secret
PN US20031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-DEC-2003.
(DESN/) DESNOYERS L.
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 1007
     17-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
```

```
ID ADF73543 standard; protein; 1059 AA.

DE Human secreted/transmembrane protein, #54.

DE Human secreted/transmembrane protein, #54.

DE Human secreted/transmembrane protein, #54.

DE 04-SEP-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCH 12.4%; Score 224; DB 8; Length 1059;

BEST Local Similarity 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 8; Length 1059;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                               Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 8; Length 1059;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 8; Length 1059;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1059;
                                                                                                                                                                                                                                                                               Score 224; DB 8;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 8;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 8;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH20602 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2004005553-A1.
08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                         ADGG2813 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003027146-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1014

ID ADHG6002 standard; protein; 1059 AA.

BE Human secreted/transmembrane protein; #54.

PN US2003215904-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADI18772 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003152999-A1.
                                                                                                                                                                      ADG92386 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US200302145-A1.
06-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rr 1013
Hup107457 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2004006211-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH07030 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54
US2004005665-A1.
                                                                                                                                                                                                                                                                           12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                           GETH ) GENENTECH INC.
Query Match 12.4%;
Best Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 12.4%;
Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GODO/) GODOWSKI P J.
(GURN/) GURNEY A L.
(MATLL/) MATLLIAMS P P.
(WILL/) WILLIAMS P P.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GURNEY A L.
MATHER J P.
WILLIAMS P M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GODDARD A. GODOWSKI P J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DESNOYERS L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DESNOYERS L.
                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 1011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
```

```
S2003uc__
J1.MAY-2003.
(GETH) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003102.
12-UUN-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US200.5c.
(GETH ) GENENTECH INC.
(Match 17.7city 23.9%;
                                                                                                                                                                                                                                                                                          12.4%;
                                              12.4%;
                                                                                                                                                                                                                                                           05-JUN-2003.
(GETH ) GENENTECH INC.
                                  GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 996
                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 995
                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 997
      US2003073079-A1.
                     17-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAR-2003
                                                 Query Match
Best Local Si
RESULT 992
                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
                                                                                                                                                                                     Best Loc
RESULT 993
                                                                 Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1059;
                                                                                                                                                                                     Length 1059;
                                                                                                                                                                                                                                                                                                         Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1059;
                                                              Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                     Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                      Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%; Score 224; DB 7; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%; Score 224; DB 7; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                             Human secreted/transmembrane protein, #54.
US2003036061-A1.
20-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC29022 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003049677-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC19564 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003054441-A1.
Human secreted/transmembrane protein, #54. US2003059828-A1. 27-MAR-2003.
                                                                                                       ADC40312 standard; protein; 1059 AA. Human secreted/transmembrane protein, #54. US2003059592-A1. CGETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADC29491 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003049676-A1.
                                                                                                                                                                                                                                                                                                                                                  ADC34436 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US200303694-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC40907 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003054400-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC34012 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003073077-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC13082 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
                                                                                                                                                                                                                               ADC19136 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                               US2003.02...
20-FEB-2003.
(GETH ) GENENTECH INC.
Warch 12.4%; Sc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003050
13-MAR-2003.
(GETH ) GENENTECH INC.
12.4%; SC
                                                                                                                                                                                                                                                           US2003020
20-FEB-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH 112.4%; Sr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%;
                                                                                                                                                                                   12.4%;
23.9%;
                                           GENENTECH INC. .
.h 12.4%;
Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%;
                                                                                                                                29-A1.
2003.
2003.
2ry Match
Best Local Similarity 2
RESULT 984
ID ADC19136 stand?
DE Human secre
PN US2030.
PD 20.
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH IN Query Match Best Local Similarity RESULT 991 ID ADC13082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENENTECH INC
                                                                          Best Local Similarity RESULT 983
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity
RESULT 987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 988
                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAR-2003
                                                                 Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                   (GETH)
```

```
Score 224; DB 7; Length 1059; Pred. No. 5.8e-10;
  Length 1059;
                                                                                                                                                                             Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 7; Length 1059; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1059;
Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                          Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%; Score 224; DB 7; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%; Score 224; DB 7; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADJ26453 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54:
US2003054349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                ADD04095 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003104381-A1.
05-JUN-2003.
(GETH) GENENTECH INC.
12.4%; Score 224; Diesty Match
12.4%; Pred. No. 5.88
                                                                                      Human secreted/transmembrane protein, #54. US2003082541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD03671 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003108983-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE34923 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003077583-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE79368 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003135025-A1.
                                                                                                                                                                                                                                        ADD05089 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003109469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein, #54. US2003054352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH59406 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54
US2003039972-A1.
                                                                  ADC12534 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADI38185 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200505...
20-MAR-2003.
(GETH ) GENENTECH INC.
12.4%; S/
```

```
ADA16750 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 6; Length 1059; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                     Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1059;
                                                                                                                                                                       Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                    ABU69671 standard; protein; 1059 AA.
Novel human secreted and transmembrane protein PRO335.
US2003017463-A1.
                                                                                                                                                                                                                                                     ABO14853 standard; protein; 1059 AA.
Human secreted / transmembrane polypeptide PRO335.
US2003027143-A1.
                                                                                                  23-JAN-2003.
(GETH) GENENTECH INC.
ery Match 12.4%; Score 224; DB 6;
ery Match 12.3.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                  06-FEB-zuus.
(GETH ) GENENTECH INC.
:ry Match 12.4%; Score 224; DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%; Score 224; DB 6; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AB032805 standard; protein; 1059 AA.
Human secreted/transmembrane protein PR0335.
US2003045693-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA18351 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003039971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA42471 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003054401-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADB29495 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003092002-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADA16326 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003049621-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO17543 standard; protein; 1059 AA.
Human PRO polypeptide #50.
US2003064367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO34865 standard; protein; 1059 AA.
Human PRO polypeptide #50.
US2003044793-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Logo State of State o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200304*;...
06-MAR-2003.
(GETH ) GENENTECH INC.
12.4%; Sc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US20050-2-13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003uc...
03-APR-2003.
(GETH ) GENENTECH INC.
12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 12.4%;
Best Local Similarity 23.9%;
RESULT 968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%;
                                                                    23-A1.
2003.
2003.
2rt ) GENENTECH I.
Eary Match
Best Local Similarity 2.
RESULT 965
ID ABO14853 stander
DE Human secret
PN US2030**
PD 06***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 973
                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
RESULT 964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A D B E D
```

```
Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 7; Length 1059; Pred. No. 5.8e-10;
                                                               Length 1059;
                                                                                                                                                                                              Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 7; Length 1059;
Pred. No. 5.8e-10;
                                                                                                                                                                                              Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                            Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 7;
Pred. No. 5.8e-10;
                                                               Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 224; DB 7;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADA42897 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003054351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC28598 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003059772-A1.
Human secreted/transmembrane protein, #54.
US2003039969-A1.
                                                                                                                                                                                                                                                                                                                                                                           ADA17394 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003017498-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human secreted/transmembrane protein, #54. US2003077654-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB74952 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003082542-A1.
                                                                                                             ADA11179 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003049622-A1.
                                                                                                                                                                                                                                           ADA42047 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #54.
US2003082540-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #50.
03-app.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein; 1059 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC39798 standard; protein; 1059 AA.
                                                                                                                                                                                                                                                                         US2003002.
01-MAY-2003.
(GETH ) GENENTECH INC.
4-1-Ch 12.4%; SC
                                                                                                                                                                                                                                                                                                                                                                                                           US2003u...
23-JAN-2003.
(GETH ) GENENTECH INC.
12.4%; Sr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC. 12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USZOUCC.
27-MAR-2003.
(GETH ) GENENTECH INC.
MATCh '1-rity 23.9%;
                                                                                                                                                                                              12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-MAR-2003.
(GETH ) GENENTECH INC.
ery Match 12.4%;
st Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%;
                                 27-FEB-2003.
(GETH ) GENENTECH INC.
12.4%;
it Local Similarity 23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                              13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match
Best Local Similarity
RESULT 982
ID
                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADB77816 standard;
                                                                                                                                                                                                 Ouery Match
                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouerv Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
```

```
Best Local Similarity 23.9%; Score 224; DB 3; Length 1059; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 952 ID ADC78602 standard; protein; 1059 AA. DE Human PR0335 protein. PN WO200015796-A2. PD 23-MAR-2000
                                                                                                                                                                                        ADL31860 standard; protein; 697 AA.
Human protein encoded by a full length cDNA clone SegID 3893
EP1396543-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4; Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1059;
 Length 434;
                                                                                                                                             Length 697;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 737;
                                                                                                                                                                                                                                                                                          Length 697;
                                                                                         PD 05-SEP-2001.
PA (HELL-) HELIX RES INST.
Query Match
Best Local Similarity 23.9%; Pred. No. 3.3e-10;
RESULT 947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 12.4%; Score 224; DB 2; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       uuery Match 12.4%; Score 224; DB 3;
Best Local Similarity 23.9%; Pred. No. 5.8e-10;
RESULT 953
 12.4%; Score 224; DB 4; 25.5%; Pred. No. 1.7e-10;
                                                                                                                                                                                                                                                                                       12.4%; Score 224; DB 8; 23.9%; Pred. No. 3.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%; Score 224; DB 4; 25.5%; Pred. No. 3.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.4%; Score 224; DB 2; 23.9%; Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 224; DB 4;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU00825 standard; protein; 1059 AA.
Human immune response protein PRO335 (UNQ287).
WO200119991-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAR-2001.
(GETH ) GENENTECH INC.
12.4%; Score 224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY13393 standard; protein; 1059 AA. Amino acid sequence of protein PRO335.W09914328-A2.
                                                                                                                                                                                                                                                                                                                                           ABG02019 standard; protein; 737 AA. Novel human diagnostic protein #2010. WO200175067-A2. 11-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY08095 standard; protein; 1059 AA.
Human PRO335 protein.
WO9914241-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB80261 standard; protein; 1059 AA.
Human PRO335 protein.
WO200104311-A1.
                                                     protein; 697 AA
SEQ ID NO: 3893
                                                                                                                                                                                                                                                   (REAS-) RES ASSOC BIOTECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 23.9%;
RESULT 954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-JAN-2001.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                         .-A2.
201.
..E-) HYSEQ INC.
..ry Match
Best Local Similarity ..
RESULT 949a In AAY08095 standa
DE Human PRO33*
PN W09914*
PD 25*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-MAR-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-MAR-1999.
(GETH ) GENENTECH INC
Query Match
Rest Local Similarity
RESULT 946
ID AAM93829 standard; pr
DE Human polypeptide, SE
PN EP1130094-A2.
PD 05-SEP-2001.
PA (HELI-) HELIX RES INS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 950
                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 948
                                                                                                                                                                                                                                                                                         Query Match
```

```
uuery Match 12.4%; Score 224; DB 6; Length 1059;
Best Local Similarity 23.9%; Pred. No. 5.8e-10;
RESULT 962
                                                                                                                                    Length 1059;
                                                                                                                                                                                                                                                                                Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABOO1823 standard; protein; 1059 AA.
Novel human secreted and transmembrane protein PRO335.
US2002197671-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted / transmembrane polypeptide PRO335.
US2003036060-A1.
Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABO47411 standard; protein; 1059 AA.
Human secreted/transmembrane polypeptide PRO335
US2003044839-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 12.4%; Score 224; DB 6; Best Local Similarity 23.9%; Pred. No. 5.8e-10; RESULT 958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                      Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 224; DB 6;
Pred. No. 5.8e-10;
                                                                                                                                                                                                                                                                                                                                   ABU11940 standard; protein; 1059 AA.
Human secreted/transmembrane protein PRO335.
US2003003530-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU54396 standard; protein; 1059 AA.
Human secreted/transmembrane protein PRO335.
US2002132240-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU64548 standard; protein; 1059 AA.
Human secreted/transmembrane protein, #52.
US2002160374-A1.
                                                                                                                                                                                         ABU71494 standard; protein; 1059 AA.
Human PRO polypeptide #50.
US2002192659-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO14914 standard; protein; 1059 AA.
                                            ABU71639 standard; protein; 1059 AA.
Human PRO polypeptide #50.
US2002146709-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU67394 standard; protein; 1059 AA.
Human secreted protein PRO335.
US2003023054-A1.
                                                                                                                                                                                                                                USZUCZ.
19-DEC-2002.
(GETH ) GENENTECH INC.
"MATCh 'lavity 23.9%;
                                                                                    USZUOZZ.
10-007-2002.
(GETH ) GENENTECH INC.
MATCh 12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-SEP-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                         02-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-OCT-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-DEC-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 960
                                                                                                                                    Query Match
Best Local Similarity
RESULT 956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 961
                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
```

```
Human secreted protein; 1583 AA. Human secreted protein SEQ ID #187. 29-APB-7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADP29354 standard, protein, 1583 AA.
Human secreted protein SEQ ID #121.
WO2004035732-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (FIVE-) FIVE PRIME THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%;
23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ELIL ) LILLY & CO ELI.
 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                          12-AUG-2004.
(EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                            Best Local Similarity RESULT 937
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-SEP-2002
                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADLI5032 standard, protein; 1224 AA. Human neural cell adhesion molecule protein for cancer treatment WO2003068268-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 12.4%; Score 224.5; DB 8; Length 1224; Best Local Similarity 25.3%; Pred. No. 6.4e-10; RESULT 935
                                                                                                                                                                  12.4%; Score 224.5; DB 8; Length 1171; 25.3%; Pred. No. 6e-10;
                 12.4%; Score 224.5; DB 8; Length 1171; 25.3%; Pred. No. 6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%; Score 224.5; DB 8; Length 1171; 25.3%; Pred. No. 6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 224.5; DB 8; Length 1171;
Pred. No. 6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1224;
                                                                                                                                                                                                                                                                                                                  Length 1171;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.4%; Score 224.5; DB 7; Length 1224; 25.3%; Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADJ75519 standard; protein; 1224 AA.
Marker gene related amino acid sequence SEQ ID NO:771.
EP1394274-20-42.
(GENO-) GENOX RES INC.
                                                                                                                                                                                                                                                                                                                12.4%; Score 224.5; DB 8; 25.3%; Pred. No. 6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 224.5; DB 8;
Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Words.
21-AUG-2003.
(BIOI-) BIOINVENT INT AB.
lery Match 12.4%; Score 224.5; DB 7;
lery Match 25.3%; Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADES5236 standard; protein; 1224 AA.
Human Protein AAB60937, SEQ ID NO 1049.
WO2003016475-A2.
                                                                       ADL16624 standard, protein; 1171 AA.
Human 282P1G3 polypeptide #56.
WO2004016734-A2.
                                                                                                                                                                                                                    ADL16580 standard; protein; 1171 AA. Human 282PtG3 polypeptide #33. WO2004016734-A2. 26-FEB-2004. (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL16445 standard; protein; 1171 AA. Human 282P1G3 polypeptide #11. WO2004016734-A2. 26-FEB-2004. (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL16454 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #20.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADN04062 standard; protein; 1224 AA.
Antipsoriatic protein sequence #226.
WW0204028479-A2.
08-APR-2004.
                                                                                                                                                                                                                                                                                                                                                                  ADL16429 standard; protein; 1171 AA.
Human 282P1G3 polypeptide #2.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.4%;
25.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%;
25.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GEN HOSPIT.

ARB ) BAYER AG.

Lery Match
Best Local Similarity in ADL15032 stender
DE Human neurer
PN WO2030*
PA 21-7
                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 300
ID AD16429 standard; pro
DE Human 282P1G3 polypept
PN WO2004016734-A2.
PD 26-FEB-2004.
PA (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 93-2
ID ADB55236 standard; pr
DE Human Protein AAB6093
PN WO2003016475-A2.
PD 27-FEB-2003.
PA (GEHO ) GEN HOSPITAL.
PA (FARB ) BAYER AG.
                                                                                                                           26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                          26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                Ouery Match
Best Local Similarity
RESULT 929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 934
(AGEN-) AGENSYS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 936
               Query Match
Best Local Similarity
RESULT 928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

```
10.JUN-2004.
(PROT-) PROTEIN DESIGN LABS INC.
12.4%; Score 224.5; DB 8; Length 1224;
it Local Similarity 25.3%; Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 12.4%; Score 224.5; DB 8; Length 1224; Local Similarity 25.3%; Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PD 29-APR-2004.
PA (FIVE-) FIVE PRIME THERAPEUTICS INC.
Query Match 12.4%; Score 224.5; DB 8; Length 1583;
Best Local Similarity 23.9%; Pred. No. 9.1e-10;
RESULT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 224.5; DB 4; Length 1645; Pred. No. 9.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.4%; Score 224.5; DB 4; Length 1765; 23.9%; Pred. No. 1.1e-09;
12.4%; Score 224.5; DB 8; Length 1224; 25.3%; Pred. No. 6.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Length 1944;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8; Length 1583;
                                                                                  ADQ19766 standard; protein; 1224 AA.
Human soft tissue sarcoma-upregulated protein - SEQ ID 2585.
WO2004048938-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%; Score 224; DB 6; Length 68; 65.7%; Pred. No. 1.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE30259 standard; peptide; 68 AA.
Human LP289 protein immunoglobulin-like domain #1.
WO200274906-A2.
                                                                                                                                                                                                                                                                                                                 ADRI4776 standard, protein, 1224 AA.
Amino acid sequence of human MAPCAX orthologue #8.
WO2004066948-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%; Score 224.5; DB 8, 23.9%; Pred. No. 9.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%; Score 224.5; DB 4, 23.9%; Pred. No. 1.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABG12017 standard; protein; 1944 AA. Novel human diagnostic protein #12008.WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABG20008 standard; protein; 1645 AA.
Novel human diagnostic protein #19999.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABG22631 standard; protein; 1765 AA. Novel human diagnostic protein #22622 WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABG02117 standard; protein; 434 AA. Novel human diagnostic protein #2108.W0200175067-A2.
```

```
Mouse muscle-localized protein-tyrosine-kinase receptor 5' fragment
                                                                                                                                                                                                                                                                                                                                                                                                                   AAR92716 standard; protein; 860 AA.
Mouse muscle-localised protein-tyrosine-kinase receptor-1 isoform.
WO9602644-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAR92717 standard; protein; 868 AA.
Mouse muscle-localised protein-tyrosine-kinase receptor-2 isoform.
WO9602644-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGG77857 standard; protein; 537 AA.
AAG77857 standard; protein; 537 AA.
Mucant protein mMuSK-RI.
WO200172834-A1.
WO200172834-A1.
(NOVS ) NOVARTIS AG.
(NOVS ) NOVARTIS-ERFINDUNCEN VERW GES MBH.
ery Match
st Local Similarity 26.0%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.4%; Score 224.5; DB 4; Length 537; 26.0%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 225.5; DB 2; Length 860; Pred. No. 3.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 5; Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 868;
                                                                                                                                                                                                                                                                                                                                                                          Length 478
                                                                 12.6%; Score 228; DB 4; Length 1483; 24.1%; Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                   Length 6642;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 4391;
                                                                                                                                                                                                                                                                                                                                                                          DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-FEB-1996.
(GEMY ) GENETICS INST INC.
(ery Match 12.5%; Score 225.5; DB 2;
ery Match 24.8%; Pred. No. 3.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WOZCOLO.
12-SEP-2002.
(INCY-) INCYTE GENOMICS INC.
(Ery Match 12.5%; Score 225.5; DB 5;
ery Match 29.5%; Pred. No. 3.3e-10;
                                                                                                                                                                                                                                                                                                                                                                          Score 225.5; DB 2
Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                     Score 226; DB 8;
Pred. No. 4.8e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.5%; Score 225; DB 6; 25.7%; Pred. No. 3.3e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABG74129 standard; protein; 537 AA.
Human hMuSK-R deletion mutant mMuSK-RI.
                                                                                                            ADN22360 standard; protein; 6642 AA.
Bacterial polypeptide #5013.
US2003233675-A1.
18-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE34390 standard; protein; 4391 AA.
                                                                                                                                                                                                                                                                                               AAR92718 standard; protein; 478 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABJ10922 standard; protein; 869 AA.
Human secreted protein (SECP) #18.
WO200270669-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (OSTE-) OSTEOMETER BIO TECH AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOJOCCE-1996.

GLEMY ) GENETICS INST INC.

(GETY MATCh 12.5%;
                                                                                                                                                                                                                                                     12.5%;
                                                                                                                                                                                                                                                                                                                                PD 01-FEB-1996.
PA (GEMY) GENETICS INST INC.
Query Match
Best Local Similarity 24.8%;
RESULT 913
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human perlecan protein.
WO200295415-A2.
Jery Match

Jest Local Similarity 2

ESULT 911

ID ADN22360 standard.

DE Bacterial polypr

PD 18-DEC-2003

PA (CAOY/) C'

PA (SLAF')

PA (SLAF')

PA (CP'

A)

Q:

Q:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2002.
2002.
2ry Match
Best Local Similarity ERSULT 916
ID AAE34390 stand>
DE Human perlam WO20020*
PD 28-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Al.

1996.

AT.

1996.

ATY Match

Best Local Similarity ARSULT 915
ID ABJ10922 standar
DE Human secret
PN WO20027*
PD 12-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
RESULT 918
ID AAG77857 standard; pr
DE Mutant protein mMuSK-
PN WO200172834-A1.
PD 04-OCT-2001.
PA (NOVS ) NOVARTIS AG.
PA (NOVS ) NOVARTIS-ERFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 919
                                                                                                                                                                                                                                                                Best Local Similarity RESULT 912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 914
                                                                                                                                                                                                                                                                                                                              WO9602644-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                      AD BE
```

```
Human muscle specific tyrosine kinase receptor (MuSK-R) protein fragment. US6790614-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADKOB740 standard; protein; 1113 AA.
Human protein useful for treating neurological disease Seq 2246
EP1447413-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%; Score 224.5; DB 8; Length 1113; 25.3%; Pred. No. 5.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JT 923
AAG77856 standard; protein; 869 AA.
Protein of muscle specific tyrosine kinase receptor (hMuSK-R)
WO200172834-A1.
04-OCT-2001.
                                                                                                                            12.4%; Score 224.5; DB 4; Length 576; 26.0%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                      Length 576;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 224.5; DB 8; Length 869;
Pred. No. 4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.4%; Score 224.5; DB 4; Length 981; 23.9%; Pred. No. 4.7e-10;
                                                                                                                                                                                                                                                                                                                                                           ABG74128 standard, protein, 869 AA.
Human muscle specific tyrosine Kinase receptor, hMuSK-R.
US2002150876-A1.
17-OCT-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AABÉ8421 standard, protein, 869 AA.
Amino acid sequence of a human MuSK-R polypeptide.
WO200136659-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WASCOLL
(NOVS ) NOVARTIS AG.
(NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.
(NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.
HELY MATCh...'-1arity 26.0%; Pred. NO. 4e-10;
                                                                                                                                                                                                                                                                                                        DB 4;
                                                                                                                                                                                                                                                                                                        Score 224.5; DB 4
Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-0CI-zvu..
(NOVS) NOVARTIS AG.
(NOVS) NOVARTIS-ERFINDUNGEN VERW GES MBH.
12.4%; Score 224.5; DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 224.5; DB Pred. No. 4e-10;
                                                                                                                                                                                                                                                             (NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.
Human hMuSK-R deletion mutant mMuSK-RII. US20076-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG22633 standard; protein; 981 AA.
Novel human diagnostic protein #22624
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL16578 standard; protein; 1171 AA.
Human 282PtG3 polypeptide #31.
WO2004016734-A2.
26-FEB-2004.
                                                                                                                                                                                   AAG77858 standard; protein; 576 AA.
Mutant protein mMuSK-RII.
WO200172834-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein; 869 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-AUG-2004.
(REAS-) RES ASSOC BIOTECHNOLOGY
                                                                                                                                                                                                                                                                                                          12.4%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.4%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.4%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (NOVS ) NOVARTIS AG.
                                                                     17-OCT-2002.
(PIPP/) PIPPIG S D.
(VERE/) VERES G.
                                                                                                                          Query Match
Best Local Similarity
RESULT 920
                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                     (PIPP/) PIPPIG S D. (VERE/) VERES G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADS17276 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                               04-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
ADQ39441 standard; protein; 3588 AA.
Human myocardial infarction-associated gene derived protein, SEQ ID 1104.
WO2004058052-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ39440 standard; protein; 4346 AA.
Human myocardial infarction-associated gene derived protein, SEQ ID 1103.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Joyco Alexandard, protein, 4347 AA.

Human myocardial infarction-associated gene derived protein, SEQ ID 1102.

WO2004058052-A2.

15-JUL-2004.

(APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADJ69461 standard, protein; 4370 AA.
Human heat mitochondrial protein as a therapeutic target SeqID1267.
WO2003087768-A2.
                                                                                                                                                                                                                                                                                    Query Match 12.7%; Score 229.5; DB 8; Length 1224; Best Local Similarity 25.6%; Pred. No. 2.4e-10; RESULT 904
                                                                                                                                                     12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                             query Match
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 905
12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8; Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.7%; Score 229; DB 8; Length 4347; 26.0%; Pred. No. 1.5e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 229; DB 7; Length 4370; Pred. No. 1.5e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 229.5; DB 8 Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 229; DB 8;
Pred. No. 1.5e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 229; DB 8;
Pred. No. 1.1e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABG16336 standard; protein; 1483 AA. Novel human diagnostic protein #16327. w0200175067-A2. 11-CCT-2001. (HYSE-) HYSEQ INC.
                                                                                                                                                                                                          ADL16453 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #19.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                              ADL16632 standard; protein; 1224 AA.
Human 282PIG3 polypeptide #63.
WO2004016734-A2.
C5-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADLIG609 standard; protein; 1224 AA. Human 282PLG3 polypeptide #47. WO2004016734-A2. 26-FEB-2004. (AGEN-) AGENSYS INC.
                                                         protein; 1224 AA.
                                                       ADL16603 standard; protein; 12
Human 282P1G3 polypeptide #44.
WO2004016734-A2.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WOZUUS-2004.
15-JUL-2004.
(APPL-) APPLERA CORP. 12 7%;
"MATCh 'larity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.7%;
25.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.7%;
26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 12.7%;
Local Similarity 26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-OCT-2003.
(MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004.
(APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 906
                                                                                                                                   (AGEN-) AGENSYS INC.
             Best Local Similarity
RESULT 902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 909
                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                      26-FEB-2004
                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
   Query Match
                     Length 1224;
                                                                                                                                                                       Length 1224;
                                                                                                                                                                                                                                                                                                                            Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1224;
                 12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                       12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                              DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 12.7%; Score 229.5; DB 8; Best Local Similarity 25.6%; Pred. No. 2.4e-10; RESULT 897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
12.7%; Score 229.5; DB 8;
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.7%; Score 229.5; DB 8, 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                            12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.4e-10;
                                                                     ADL16591 standard; protein; 1224 AA.
Human 282PJG3 polypeptide #38.
WO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                          ADL16620 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #52.
WQ2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                              ADL16456 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #22.
WQ2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL16615 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #50.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL16622 standard; protein; 1224 AA.
Human 282PtG3 polypeptide #54.
WO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL16444 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #10.
MO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL16458 standard; protein; 1224 AA.
Human 282PJG3 polypeptide #24.
WO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL16550 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #27.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL16459 standard; protein; 1224 AA.
Human 282PJG3 polypeptide #25.
WO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2,34-A2.
-2004.
-2EN-) AGENSYS INC
-2EY MATCh
Best Local Similarity :
RESULT 898
ID ADL16444 stand*
DE Human 282P*
PN WO2004^*
PA
                                                                                                                                                                                   Best Local Similarity
RESULT 894
ID AD116620 standard; pro
DE Human 282P1G3 polypepf
PN WO2004016734-A2.
PD 26-FEB-2004.
PA (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-FEB-2004, (AGEN-) AGENSYS INC.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                           26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
Best Local Similarity
RESULT 896
               Query Match
Best Local Similarity
RESULT 893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 900
                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A D N E D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A S S S S S
```

Length 3588

Length 4346

RESULT 876

RESULT

```
uery Match
Best Local Similarity 25.6%; Score 229.5; DB 8; Length 1224;
RESULT 887

ID ADL16452 standard; protein; 1224 AA.

PN WO2004016734-A2.

PD 26.FEB-2004
                                                                                                                                                                                                                                                                                                                    vuery Match 12.7%; Score 229.5; DB 8; Length 1224;
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
12.7%; Score 229.5; DB 8; Length 1224;
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 12.7%; Score 229.5; DB 8; Length 1224;
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.7%; Score 229.5; DB 8; Length 1224; 25.6%; Pred. No. 2.4e-10;
                                   DB 7; Length 1224;
                       Luciy match
Best Local Similarity 25.6%; Pred. No. 2.4e-10;
RESULT 884
                                                                                      ADL16443 standard; protein; 1224 AA. Human 282PLG3 polypeptide #9. WO2004016734-A2. 26-FEB-2004. (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL16579 standard, protein, 1224 AA.
Human 282P1G3 polypeptide #32.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL16455 standard; protein; 1224 AA.
Human 282PlG3 polypeptide #21.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL16457 standard; protein; 1224 AA.
Human 282PtG3 polypeptide #23.
WO2004016734-A2.
56-FEB--2004.
                                                                                                                                                                                                                                             ADL16597 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #41.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL16623 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #55.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL16427 standard; protein; 1224 AA.
Human 282P1G3 polypeptide #1.
WO2004016734-A2.
               (BUCK-) BUCK INST AGE RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                        26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
(MITO-) MITOKOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                       Query Match
                                                                                                                                                                                                             Best Loca
RESULT 885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ69602 standard; protein; 1224 AA.
Human heat mitochondrial protein as a therapeutic target SeqID1408.
WOZ003087768-A2.
23-0CT-2003.
                                                                                                                                                                                                                                                                                                                                          12.7%; Score 229.5; DB 8; Length 1183; 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%; Score 229.5; DB 8; Length 1208; 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                       12.7%; Score 229.5; DB 8; Length 1183; 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.7%; Score 229.5; DB 8; Length 1208; 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.7%; Score 229.5; DB 8; Length 1208; 25.6%; Pred. No. 2.3e-10;
                                     DB 8; Length 1183;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1183;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 8; Length 1208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8; Length 1208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 2.3e-10;
                                   12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL16448 standard, protein, 1208 AA.
Human 282P1G3 polypeptide #14.
WO2004016734-A2.
                                                                                                                                                                                                                                             ADL16602 standard, protein, 1183 AA.
Human 282P1G3 polypeptide #43.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD16627 standard; protein; 1208 AA.
Human 282P1G3 polypeptide #59.
WO2004016734-A2.
                                                                                          ADL16449 standard; protein; 1183 AA.
Human 282P1G3 polypeptide #15.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                 ADL16437 standard; protein; 1183 AA.
Human 28291G3 polypeptide #6.
WO2004016734-A2.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL16435 standard; protein; 1208 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL16598 standard; protein; 1208 AA.
Human 282P1G3 polypeptide #42.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL16596 standard; protein; 1208 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human 282P1G3 polypeptide #40.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human 282P1G3 polypeptide #5. WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20.
2004.
2004.
2004.
24-A2.
26N-1 AGENSYS INC.
26TY MATCH
Best Local Similarity 2.
RESULT 881
ID AD16627 standar
DE Human 282P177
PD 26-7
PA 26-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Learn Match
Best Local Similarity ARESULT 883
ID ADJ69602 stand
DE Human her
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-FEB-2004. (AGEN-) AGENSYS INC.
               (AGEN-) AGENSYS INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 882
                                                 Best Local Similarity
RESULT 875
                                                                                                                                                                      (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                          (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                       Local Similarity
26-FEB-2004
                                                                                                                                                    26-FEB-2004
                                                                                                                                                                                                                                                                                                          26-FEB-2004
                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

```
12.7%; Score 229.5; DB 8; Length 1117; 25.6%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.7%; Score 229.5; DB 8; Length 1183; 25.6%; Pred. No. 2.3e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8; Length 1117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8; Length 1117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8; Length 1117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABM81685 standard; protein; 1171 AA.
Human diagnostic and therapeutic pprotein SEQ 1D NO:3934
WO2004023973-A2.
25-MAR-2004.
                                                                                                                                                                                                                                                                                                     .,
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 229.5; DB 8;
Pred. No. 2.2e-10;
                                                                               12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 1.5e-10;
                                                                                                                                                                                                                                                                                 vuery Match
12.7*; Score 229.5; DB 8
Best Local Similarity 25.6*; Pred. No. 1.5e-10;
RESULT 867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 229.5; DB 8 Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.7%; Score 229.5; DB 8 25.6%; Pred. No. 2.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL16433 standard; protein; 1117 AA.
Human 282P1G3 polypeptide #4.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL16590 standard; protein; 1117 AA. Human 282PIG3 polypeptide #37. WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL16447 standard, protein, 1117 AA.
Human 282P1G3 polypeptide #13.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL16592 standard; protein; 1117 AA.
Human 282P1G3 polypeptide #39.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL16628 standard; protein; 1183 AA.
Human 282P1G3 polypeptide #60.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                 ADL16626 standard; protein; 1117 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein; 1183 AA
                                                                                                                                 RESULT 866
ID ADL16431 standard; protein; 893 AA.
                                                                                                                                                                                                                                                                                                                                                                                                  Human 282PlG3 polypeptide #58.
WO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human 282P1G3 polypeptide #45.
W02004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                       Human 282P1G3 polypeptide #3.
WC2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%;
25.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.7%;
25.6%;
                            26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 871
                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL16604 standard;
     WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Human myocardial infarction-associated gene derived protein, SEQ ID 1105.
W2004058052-A2.
15-JUL-2004.
(APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12.7%; Score 229.5; DB 8; Length 851; 25.6%; Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%; Score 229.5; DB 8; Length 893; 25.6%; Pred. No. 1.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 893;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 849;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 869;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 869;
                                                                                                                                                                                                                                                                                                                              Length 4436;
                                                                                                              Length 4393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ89844 standard, protein, 869 AA.
Antagonist of cell cycle progression polypeptide #137.
WO2004063362-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.7%; Score 229.5; DB 2; 26.4%; Pred. No. 1.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MUJYAA...-
19-JUN-1997.
(REGE) REGENERON PHARM INC.
12.7%; Score 229.5; DB 2;
lery Match 12.7%; Score 229.5; DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.7%; Score 229.5; DB 8; 25.6%; Pred. No. 1.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.7%; Score 229.5; DB 8 25.6%; Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.7%; Score 229.5; DB 8 26.4%; Pred. No. 1.5e-10;
                                                                                                           12.7%; Score 230; DB 8; 26.0%; Pred. No. 1.2e-09;
                                                                                                                                                                                                                                                                                                                            12.7%; Score 230; DB 4; 26.0%; Pred. No. 1.2e-09;
                                                                                                                                                                                       ABG23265 standard; protein; 4436 AA.
Novel human diagnostic protein #23256.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human muscle-specific kinase (MuSK) W09721811-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL16586 standard; protein; 851 AA.
Human 282P1G3 polypeptide #36.
MO2004016734-A2.
26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                        ADL16585 standard, protein, 849 AA.
Human 282P1G3 polypeptide #35.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL16625 standard; protein; 893 AA.
Human 282P1G3 polypeptide #57.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL16446 standard; protein; 893 AA. Human 282P1G3 polypeptide #12. WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW26506 standard; protein; 869 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL16584 standard; protein; 893 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human 282P1G3 polypeptide #34.
WO2004016734-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-AUG-1997.
(REGE-) REGENERON PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2004.
2004.
2004.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.
2007.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-JUL-2004.
(CYCL-) CYCLACEL LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 865
ID ADL1625 standard; pr
DE Human 282P1G3 polypeg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-FEB-2004.
(AGEN-) AGENSYS INC.
                                                                                                                            Best Local Similarity
RESULT 857
                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 861
                                                                                                                                                                                                                                                                      11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 863
```

Length 1117;

Length 893;

Length 893;

Length 1171;

```
ADL35758 standard; protein; 4393 AA.
Human perlecan (heparan sulphate proteoglycan 2; HSPG2) protein.
WO2004019893-A2.
                                                  12.8%; Score 230.5; DB 8; Length 3475; 24.3%; Pred. No. 8.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY53667 standard; protein; 3117 AA.

Sequence gi/3328186 from an alignment with protein 608.

N W09960164-A1.

25-NOV-1999.

QUENCH OURRED BOTECH INC.

12.7%; Score 230; DB 3; Length 3117;

Best Local Similarity 22.9%; Pred. No. 7.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                        12.7%; Score 230; DB 7; Length 1928; 22.9%; Pred. No. 4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 4393;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 12.7%; Score 230; DB 8; Length 4393; Best Local Similarity 26.0%; Pred. No. 1.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7; Length 1951;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WOLOULE
25-JAN-2001.
(INM.) BIOMERIEUX STELHYS.
(INM.) BIOMERIEUX 12.7%; Score 230; DB 4;
Lery Match 12.7%; Score 230; DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12.7%; Score 230; DB 7; 22.9%; Pred. No. 4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB31889 standard; protein; 4393 AA.
Amino acid sequence of a human protein.
WO200105422-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG39843 standard; protein; 1951 AA.
Protein Similar to human NOV9 #4.
US2003203843-A1.
                                                                                                      ADG39842 standard; protein; 1928 AA.
Protein similar to human NOV9 #3.
US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADQ39442 standard; protein; 4393 AA
                 02-SEP-2004.
(SAGR-) SAGRES DISCOVERY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004.
(RIGE-) RIGEL PHARM INC.
                                                                                                                                                                                                                                                                                             (TOPP/) TOPPER J N.
(MALY/) MALYANKAR U M.
(MASS/) WASSERMAN S M.
(EDIN/) EDINGER S R.
(SMIT/) SMITHSON G.
(GUNT/) GUNTHER E.
(KOMU/) KOMUVES L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GUO X.
SHIMKETS R A.
PADIGARU M.
                                                                                                                                                                                                             SHIMKETS R A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MALYANKAR U N
WASSERMAN S N
EDINGER S R.
SMITHSON G.
                                                                                                                                                                                                                                               KEKUDA R.
SPYTEK K A.
MEHRABAN F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEKUDA R.
SPYTEK K A.
MEHRABAN F.
                                                                  Best Local Similarity
RESULT 851
                                                                                                                                                                          CEA.
                                                                                                                                                                                                                                PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 853
                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPPER J N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GUNTHER E. KOMUVES L.
 WO2004074320-A2.
                                                                                                                                                                              PENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-OCT-2003
                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MALY/)
(WASS/)
(EDIN/)
(SMIT/)
                                                                                                                                                                          (PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (KOMU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GUOX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GUNT/)
                                                                                                                                                                                                                                PADI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (PADI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KEKU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SPYT/)
                                                                                                                                                                                              GUOX/
                                                                                                                                                                                                             (SHIM/
                                                                                                                                                                                                                                             (KEKU/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MEHR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loca
RESULT 855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.8%; Score 230.5; DB 8; Length 1040; 25.0%; Pred. No. 1.5e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        vuery Match 12.8%; Score 230.5; DB 2; Length 868; Best Local Similarity 25.2%; Pred. No. 1.2e-10; RESULT 847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 2; Length 868;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 8; Length 961;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 8; Length 961;
                                                                                                                    12.8%; Score 231; DB 8; Length 1028; 26.7%; Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 3931;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH71832 standard; protein; 961 AA.
Human protein of the invention NOV29af SEQ ID NO:728.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH71830 standard; protein; 961 AA.
Human protein of the invention NOV29ae SEQ ID NO:726
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-AUG-1997.

A (REGE-) REGENERON PHARM INC.
Query Match 12.8%; Score 230.5; DB 2
Gest Local Similarity 25.2%; Pred. No. 1.2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 231; DB 7;
Pred. No. 8.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 12.8%; Score 230.5; DB 8
Best Local Similarity 27.2%; Pred. No. 1.4e-10;
RESULT 848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12.8%; Score 230.5; DB 8 27.2%; Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO84727 standard; protein; 1040 AA.
Mouse cancer-associated protein MP22-025.1.
WO2004074320-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO84469 standard; protein; 3475 AA.
Human cancer-associated protein HP13-036.1.
                                                              24-JUN-2004.
(SIGE-) SINGAPORE GEN HOSPITAL PTE LTD.
(FORR/) FORREST G R.
                                                                                                                                                                     ADG39786 standard; protein; 3931 AA.
Human novel protein NOV9.
US2003203843-A1.
                 ADP67247 standard; protein; 1028 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW26610 standard; protein; 868 AA.
Rat muscle-specific kinase (MuSK).
WO9721811-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW26507 standard; protein; 868 AA.
Rat Dmk receptor.
US5656473-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.8%;
28.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SAGR-) SAGRES DISCOVERY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-JUN-1997.
(REGE-) REGENERON PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                  (MALY) MALYANKAR U M.
(WASS) WASSERMAN S M.
(EDIN/) EDINGER S R.
(SMIT/) SMITHSON G.
                                                                                                                                                                                                                                                           GUO X.
SHIMKETS R A.
PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                              KEKUDA R.
SPYTEK K A.
MEHRABAN F.
TOPPER J N.
                                                                                                                   Query Match
Best Local Similarity
RESULT 844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 849
                                  Human NB-3 protein. WO2004052389-A2.
                                                                                                                                                                                                                                         (PENA/) PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GUNT/) GUNTHER E. (KOMU/) KOMUVES L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-SEP-2004
                                                                                                                                                                                                                                                           (GUOX/)
(SHIM/)
(PADI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                            (KEKU/)
(SPYT/)
(MEHR/)
(TOPP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 846

1D AAW2661

DE Rat mus

PN W097216

PD 19-JUN-
RESULT 843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 850
```

us-09-978-544a-523.rag.spdi

```
11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
 RESULT 834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vuery Match
12.8%; Score 232; DB 8; Length 2617;
Best Local Similarity 26.9%; Pred. No. 4.1e-10;
RESULT 833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 232; DB 8; Length 2617; Pred. No. 4.1e-10;
                                                                                              Length 2602;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH71852 standard; protein; 2617 AA.
Human protein of the invention NOV29ap SEQ ID NO:748.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH71838 standard; protein; 2617 AA.
Human protein of the invention NOV29ai SEQ ID NO:734.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH71842 standard; protein; 2617 AA.
Human protein of the invention NOV29ak SEQ ID NO:738.
WO2003102155-A2.
             ADH71820 standard; protein; 2602 AA.
Human protein of the invention NOV29z SEQ ID NO:716.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH11710 standard; protein; 2617 AA.
Human protein of the invention NOV29a SEQ ID NO:666.
WO2003102155-A2.
11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12.8%; Score 232; DB 7; 26.9%; Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                DB 8;
                                                                                              Score 232; DB 8
Pred. No. 4e-10;
                                                                                                                                                ADJ83055 standard; protein; 2617 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12.8%;
26.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12.8%;
26.9%;
                                                                                            Query Match 12.8%;
Best Local Similarity 26.9%;
RESULT 829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 12.8%;
Best Local Similarity 26.9%;
RESULT 832
                                                                                                                                                             Human NOVX NOV12a protein.
US2003170630-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (EDIN/) EDINGER S R.
(GUNT/) CONTHER E.
(MILL/) MILLET I.
(SCIO/) SCIORE P.
(ELLE/) ELLERMAN K.
(MACD/) MACDOUGALL J R.
(SMIT/) SMITHSON G.
                                                                                                                                                                                                                                                                                                                                                                                                                           CASMAN S J.
BOLDOG F L.
GORMAN L.
GANGOLLI E A.
FERNANDES E R.
RIEGER D K.
                                                                                                                                                                                                            (ALSO/) ALSOBROOK J P. (TCHE/) TCHERNEV V T. (LIUX/) LIU X. (SPYT/) SPYTEK K A.
                                                                                                                                                                                                                                                LIU X.
SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                            SHIMKETS R A. GROSSE W M. SZEKERES E S. VERNET C A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                             11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 831
                                                                                                                                                                                                                                                                                                             LEPLEY D M.
BURGESS C E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                             (ZERH/)
(PATT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                BOLD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
RESULT 830
RESULT 828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A D D E D
```

```
Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-JUL-1998.
(GEMY ) GENETICS INST INC.
ery Match 12.8%; Score 231; DB 2; Length 1028;
ery match 26.7%; Pred. No. 1.4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-OCT-2002.

(CURA-) CURAGEN CORP.

(MILL-) MILLENNIUM PHARM INC.

Query March

12.8%; Score 232; DB 6; Length 3931;

Best Local Similarity 28.3%; Pred. No. 7.1e-10;
                                                                                                    Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 2617;
                                                                                                                                                                                                                                                                     12.8%; Score 232; DB 8; Length 2617; 26.9%; Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 2617;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUM 11854 standard; protein; 2617 AA.

Human protein of the invention NOV29ag SEQ ID NO:750.
WO2003102155-A2.
11-DEC-2003.
YOUNDAL) CURAGEN CORP.
ADH71836 standard; protein; 2617 AA.
Human protein of the invention NOV29ah SEQ ID NO:732.
WO2003102155-A2.
Il-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                              ADH71840 standard; protein; 2617 AA.
Human protein of the invention NOV29aj SEQ ID NO:736.
WO2003102155-A2.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                              ADH71844 standard; protein; 2617 AA.
Human protein of the invention NOV29al SEQ ID NO:740.
MO2003102155-A2.
11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH71846 standard; protein; 2617 AA.
Human protein of the invention NOV29am SEQ ID NO:742.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH71848 standard; protein; 2617 AA.
Human protein of the invention NOV29an SEQ ID NO:744.
WO2003102155-A2.
I.-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH71850 standard; protein; 2617 AA.
Human protein of the invention NOV29ao SEQ ID NO:746
W02003102155-A2.
Il-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                      Score 232; DB 8;
Pred. No. 4.1e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 26.9%; Pred. No. 4.1e-10;
RESULT 838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW29667 standard, protein, 1028 AA.
Homo sapiens Di185_1 clone secreted protein.
WO9830695-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU07377 standard; protein; 3931 AA.
Human protein NOV9.
WO200285922-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                     12.8%;
26.9%;
                                                                                                    12.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.8%;
26.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.8%;
26.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 12.8%;
Local Similarity 26.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                  (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CURA-) CURAGEN CORP.
                                                                                                      Query Match
Best Local Similarity
RESULT 835
                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 836
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
```

```
ABG69614 standard; protein; 2401 AA.
Human NOV12a protein.
WO200250277-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                ABG69619 standard; protein; 2447 AA. Human NOV12f protein. WO20050277-A2. 27-UNN-2002. (CURA.) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADJ83065 standard; protein; 2591 AA.
Human NOVX NOV12f protein.
US2003170630-A1.
                                                                                  ADN23691 standard; protein; 2783 AA.
                                       Best Local Similarity 26.8%; RESULT 823
                                                                                                                                                                                                                            Query Match
Best Local Similarity 23.5%;
RESULT 824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.8%;
26.9%;
                                                                                                    Bacterial polypeptide #6344
US2003233675-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BURGESS C E. SHIMKETS R A. GROSSE W M. SZEKERES E S. VERNET C A M.
                                                                                                                               18-DEC-2003.
(CAOY/) CAO Y.
(HINK/) HINKLE G J.
(SLAT) SLATER S C.
(CHEN/) CHEN X.
(GOLD/) GOLDMAN B S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ALSO/) ALSOBROOK J P. (TCHE/) TCHERNEV V T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
LEPLEY D M.
                                                                                                                                                                                                                                                                                                                                  27-JUN-2002.
(CURA-) CURAGEN CORP.
               (CURA-) CURAGEN CORP.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GANGOLLI E A.
FERNANDES E F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EDINGER S R. GUNTHER E. MILLET I. SCIORE P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LI L.
CASMAN S J.
BOLDOG F L.
GORMAN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIEGER D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ELLERMAN K. MACDOUGALL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMITHSON G.
 11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MILL/)
(SCIO/)
(ELLE/)
(MACD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LIUX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SPYT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SHIM/)
(GROS/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GORM/
(GANG/
(FERN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIEG/
(EDIN/
(GUNT/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZERH/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LEPL/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (BURG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LILL/
CASM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SZEK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BOLD
                                                                                                                                                                                                                                                                                                                                                                                                                 Score 235.5; DB 8; Length 2623; Pred. No. 2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13.0%; Score 235.5; DB 8; Length 2623; 26.9%; Pred. No. 2e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 8; Length 1100;
                                                                                                                                                                                                                                                                                   8; Length 2428;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.0%; Score 234.5; DB 7; Length 1040; 25.8%; Pred. No. 7e-11;
                                                                                                                                                    DB 8; Length 967;
                 DB 8; Length 632;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 662;
                                                            ADH71818 standard, protein; 967 AA.

3 Human protein of the invention NOV29y SEQ ID NO:714.

N W02003102155-A2.

11-DEC-2003.

4 (CURA-) CURAGEN CORP.

13.0%; Score 235.5; DB 8; Le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADR67266 standard; protein; 1100 AA.
Human bladder cancer associated amino acid sequence.
WO2004076613-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADH71816 standard; protein; 967 AA.
Human protein of the invention NOV29x SEQ ID NO:712.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.0%; Score 235; DB 8; 25.5%; Pred. No. 3.4e-11;
               13.0%; Score 235.5; DB 8 26.9%; Pred. No. 2.9e-11;
                                                                                                                                                13.0%; Score 235.5; DB 8 27.1%; Pred. No. 5.2e-11;
                                                                                                                                                                                                                                                                                   13.0%; Score 235.5; DB 8 26.9%; Pred. No. 1.8e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12.9%; Score 233.5; DB 8 24.9%; Pred. No. 9.2e-11;
                                                                                                                                                                                             ADSI0576 standard; protein; 2428 AA.
Human therapeutic protein - SEQ ID 813.
W02004080148-A2.
23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADS10577 standard; protein; 2623 AA. Human therapeutic protein - SEQ ID 814. w02004080148-A2. 23-SEP-2004. (NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD47171 standard; protein; 1040 AA.
Rat Protein AAA42201, SEQ ID NO 12864.
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                ADL02252 standard; protein; 2623 AA.
Human OCP protein #7.
US2004053301-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacterial polypeptide #6726.
US2003233675-Al.
(REAS-) RES ASSOC BIOTECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                  PD 18-MAR-2004.
PA (QUAR-) QUARK BIOTECH INC.
QUEYN MATCh
BEST Local Similarity 26.9%;
RESULT 818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                      o.
.35-A2.
.2003.
.ery Match
Best Local Similarity .
RESULT 816
ID ADS.10576 standa-
DE Human thera-
PN WO2004^r
PD 23-
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CAOY) CAO Y.
(HINK) HINKLE G J.
(SLAT) SLATER S C.
(CHEN) CHEN X.
(GOLD/) GOLDMAN B S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-SEP-2004.
(HERK/) HERR A.
(HINZ/) HINZMANN B.
(DAHL/) DAHL E.
(STAU/) STAUB E.
(PILA/) PILARSKY C.
(SPEC/) SPECHT T.
               Query Match
Best Local Similarity
RESULT 815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
```

```
Score 232.5; DB 8; Length 2783; Pred. No. 4e-10;
  DB 8; Length 967;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 12.8%; Score 232; DB 5; Length 2447;
Best Local Similarity 26.9%; Pred. No. 3.7e-10;
RESULT 826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.8%; Score 232; DB 8; Length 2591; 26.9%; Pred. No. 4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 2401;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 7; Length 2591;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH71822 standard; protein; 2591 AA.
Human protein of the invention NOV29aa SEQ ID NO:718.
WO2003102155-A2.
12.9%; Score 232.5; DB 8 26.8%; Pred. No. 9.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 26.9%; Pred. No. 3.6e-10;
RESULT 825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 232; DB 7
Pred. No. 4e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
```

```
(HYSE-) HYSEQ INC.
   12-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1020;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 761;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 837;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2; Length 582;
                                             13.4%; Score 242; DB 5; Length 2587; 27.0%; Pred. No. 5.5e-11;
                                                                                                                                                          vucry match 13.4%; Score 242; DB 8; Length 2587; Best Local Similarity 27.0%; Pred. No. 5.5e-11; RESULT 798
                                                                                                                                                                                                                                                                                                   Length 2589;
                                                                                                                                                                                                                                                                                                                                                                                                                           Length 2589;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.3%; Score 241; DB 4; Length 891; 45.7%; Pred. No. 1.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ76385 standard; protein; 1020 AA.
Marker gene related amino acid sequence SEQ ID NO:1637.
EP1394274-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI24547 standard; protein; 837 AA.
Human modifier of Chkl (MCHK) protein SEQ ID NO:97.
WO2004004785-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.4%; Score 241.5; DB 8; 24.7%; Pred. No. 1.3e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 241.5; DB 8;
Pred. No. 1.7e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 242; DB 8;
Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 13.4%; Score 241.5; DB 2
Best Local Similarity 24.4%; Pred. No. 7.9e-12;
RESULT 801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.4%; Score 241.5; DB 2 24.4%; Pred. No. 1.1e-11;
                                                                                                                                                                                                                                                                                                 Score 242; DB 5;
Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR92256 standard; protein; 582 AA.
Neural cell adhesion molecule splice variant.
WO9604396-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human diagnostic protein #91 AA. W020175067-A2.
                                                                                                                                                                                                                                                                                                                                     Human OCP protein #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABP69251 standard; protein; 2173 AA.
Human polypeptide SEQ ID NO 1298.
WO200270539-A2.
                                                                                         ADL02236 standard; protein; 2587 AA. Human OCP protein #3. US2004053301-A1. I8-MAR-2004. (QUAR-) QUARK BIOTECH INC.
                                                                                                                                                                                                                     ABG31323 standard; protein; 2589 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR92255 standard; protein; 761 AA.
Neural cell adhesion molecule.
WO9604396-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.4%;
24.3%;
                                                                                                                                                                                                                                                                                                                                                                                     PD 18-MAR-2004.
PA (QUAR-) QUARK BIOTECH INC.
QUERY MATCh 13.4%;
Best Local Similarity 27.0%;
RESULT 800
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 27.0%;
RESULT 799
                                                                                                                                                                                                                                                                13-JUN-2002.
(QUAR-) QUARK BIOTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-MAR-2004.
(GENO-) GENOX RES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lacry Match
Best Local Similarity 4
RESULT 805
ID ABRE9251 81-7
DE Humar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-FEB-1996.
(SYST-) SYSTEMIX INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-FEB-1996.
(SYST-) SYSTEMIX INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JAN-2004.
(EXEL-) EXELIXIS INC.
(SKAL/) SKALITER R.
(FEIN/) FEINSTEIN E.
(FAER/) FAERMAN A.
                                                        Best Local Similarity RESULT 797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 802
                                                                                                                                                                                                                                   Human OCP protein.
WO200246364-A2.
                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 804
                                                                                                                                                                                                                      A D D E D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A D I D D D D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P P P P P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BERE
   B B B
```

```
AAE00585 standard; protein; 793 AA.
Human nuclear cell adhesion molecule homologue, NCAM_c_l protein.
WO200129215-A2.
                                                                                                                                                                                                                                                                                                                                                           AAE00586 standard; protein; 891 AA.
Human nuclear cell adhesion molecule homologue, NCAM_d_2 protein.
WO200129215-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE00582 standard; protein; 946 AA.
Human nuclear cell adhesion molecule homologue, NCAM_d_1 protein.
WO200129215-A2.
                                                                                                                                                                                                      AAE00584 standard; protein; 848 AA.
Human nuclear cell adhesion molecule homologue, NCAM_c_2 protein.
WO200129215-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADR09877 standard; protein; 632 AA.
Human protein useful for treating neurological disease Seq 3383.
EP1447413-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 238.5; DB 4; Length 1018; Pred. No. 3.1e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       4; Length 891;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.2%; Score 238.5; DB 4; Length 946; 25.4%; Pred. No. 2.8e-11;
                                                                                                                                                 Length 793;
                                                                                                                                                                                                                                                                                                    Length 848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 920
Length 2173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE00583 standard; protein; 920 AA.
Human cell adhesion molecule homologue (CAM-H) protein WO200129215-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE00581 standard; protein; 1018 AA.
Human cell adhesion molecule homologue (CAM-H) protein:
WO200129215-A2.
26-APR-2001.
                                                                                                                                                   Score 238.5; DB 4;
Pred. No. 2.2e-11;
                                                                                                                                                                                                                                                                                                        4
Score 241; DB 5;
Pred. No. 5.3e-11;
                                                                                                                                                                                                                                                                                                    Score 238.5; DB 4
Pred. No. 2.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 238.5; DB 4
Pred. No. 2.6e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 238.5; DB 4
Pred. No. 2.7e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ery Match
13.1%; Score 237; DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (UMON-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ry Match 13.1%; Score 237; DB 2;
t Local Similarity 58.3%; Pred. No. 1.1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW05162 standard; protein; 73 AA.
Rat LAMP residues 46-118.
WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW05161 standard; protein; 73 AA.
Human LAMP residues 46-118.
WO9630052-A1.
 13.3%;
                                                                                                                                                 13.2%;
25.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.2%;
                                                                                                                                                                                                                                                                                                  13.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                26-APR-2001.
(COMP-) COMPUGEN LTD.
                                                                                                               26-APR-2001.
(COMP-) COMPUGEN LTD.
                                                                                                                                                                                                                                                                 26-APR-2001.
(COMP-) COMPUGEN LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-APR-2001.
(COMP-) COMPUGEN LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-APR-2001.
(COMP-) COMPUGEN LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A (COMP-) COMPUGEN LTD.
Query Match
                                                                                                                                               Query Match
Best Local Similarity
RESULT 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 813
             Best Local Similarity RESULT 806
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
 Query Match
                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 812
```

```
DB 4; Length 893;
    13.4%; Score 242.5; DB 4; Length 792; 26.4%; Pred. No. 9.8e-12;
                                                                                                                                                                     13.4%; Score 242.5; DB 4; Length 893; 26.4%; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.4%; Score 242; DB 5; Length 2586; 27.0%; Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . Match 13.4%; Score 242; DB 8; Length 2586; Local Similarity 27.0%; Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.4%; Score 242; DB 5; Length 2587; 27.0%; Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 2586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 2586;
                                                                                                                                                                                                                                                                                                                                     13.4%; Score 242.5; DB 4 26.4%; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13.4%; Score 242; DB 5; 27.0%; Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 242; DB 8;
Pred. No. 5.5e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 27.0%; Pred. No. RESULT 79.3 In ADL02231 standard; protein; 2586 AA. DE Human OCP protein #1. PN US2004.053301-A1. PD 18-MAR-2004. PA (QUAR-) QUARK BIOTECH INC. Query Match 13.4%; Score 242.
                                                                                                                                                                                                                                                                                                                                                                                   D ABG31317 standard; protein; 2586 AA.
E Human 5+3 corrected OCP protein.
N W0200246364-A2.
D 13-JUN-2002.
A (QUAR-) QUARK BIOTECH INC.
13.48; Score 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABG32891 standard; protein; 2586 AA.
Human osteoclast protein (OCP) #1.
US2002086825-A1.
                                                           ABG00258 standard; protein; 893 AA.
Novel human diagnostic protein #249.
W0200175067-A2.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL02234 standard; protein; 2586 AA.
Human OCP protein #2.
US2004053301-A1.
18-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABG32896 standard; protein; 2587 AA.
Human osteoclast protein (OCP) #2.
US2002086825-A1.
                                                                                                                                                                                                                               ABG06611 standard; protein; 893 AA.
Novel human diagnostic protein #602-W0200175667-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB47935 standard; protein; 2587 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13.4%;
27.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QUAR-) QUARK BIOTECH INC.
Query Match 13.4%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-JUL-2002.
(ETNA/) EINAT P.
(SRGE/) SEGEV O.
(SRAL/) SKALITER R.
(FEIN/) FEINSTEIN E.
(FAER/) FAERMAN A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-FEB-2002.
(EINA/) EINAT P.
(SEGEV O.
(SKAL/) SKALITER R.
(FELN/) PEINSTEIN E.
                                                                                                                                                                                                                                                                                                                                                    Local Similarity
Query Match
Best Local Similarity
RESULT 789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                  (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human OCP.
US2002022026-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EINA/) EINAT P. (SEGE/) SEGEV O.
                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loc
RESULT 796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 27.8%; Score 244.5; DB 6; Length 512;
RESULT 786
DE Rat contactin ligand for RPTPbeta.
PD 28-NOV-1996.
PD 38-NOV-1996.
PA (SUGE-) SUGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.6%; Score 245.5; DB 8; Length 1073; 26.4%; Pred. No. 8.2e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13.6%; Score 245.5; DB 8; Length 1073; 26.4%; Pred. No. 8.2e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13.5%; Score 243.5; DB 7; Length 1021; 24.0%; Pred. No. 1.1e-11;
                                                                                                                               DB 8; Length 1018;
                                                                                                                                                                                                                                                                                                                  Length 1018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13.5%; Score 243.5; DB 2; Length 1018; 24.0%; Pred. No. 1.1e-11;
                                                                                                                                                                                                                                                                                                                                                                           ADR66068 standard; protein; 1073 AA.
Human prostatic carcinoma derived protein SEQ ID 264 #1
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADR66410 standard; protein; 1073 AA.
Human prostatic carcinoma derived protein SEQ ID 264 #2.
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                  DB 8;
                                                                                                                       Query Match 13.6%; Score 246.5; DB 8, Best Local Similarity 24.6%; Pred. No. 6.3e-12; RESULT 782
                                                                                                                                                                                                                                                  A (SIGE-) SINGAPORE GEN HOSPITAL PTE LTD.
A (FORK/) FORREST G R.
Query Match
Best Local Similarity 24.6%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABG03059 standard; protein; 792 AA.
Novel human diagnostic protein #3050.
WO200175067-A2.
                         ADO28659 standard; protein; 1018 AA. Human CONT protein SEQ ID NO:88. WO2004044178 A2. 27-MAY-2004. (GETH ) GENENTECH INC.
                                                                                                                                                                                        ADP67246 standard, protein, 1018 AA. Human F3/Contactin protein. WO2004052389-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADES6173 standard; protein; 1021 AA.
Rat Protein Q63198, SEQ ID NO 2022.
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA54925 standard; protein; 512 AA.
Human protein, SEQ ID 2493.
EP1293569-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HELI-) HELIX RES INST.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                      10-SEP-2004:
(HINZ/) HINZMANN B.
(DAHL/) DAHL E.
(ROSE/) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HINZ/) HINZMANN B.
(DAHL/) DAHL B.
(ROSE), ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-NOV-1996.
(SUGE-) SUGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-SEP-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                          RESULT 783
```

```
ADO20581 standard; protein; 1040 AA.
Human axonin-1 precursor (AXO1) protein SEQ ID NO:10.
WO2004044178-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-MAR-2004.
(GENO-) GENOX RES INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           (PEKE ) PE CORP NY.
                                                                                     Query Match
Best Local Similarity
RESULT 773
                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 775
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best_Local Similarity RESULT 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human contactin.
WO9535373-A2.
                                                                                                                                                                                                                                                                                                                                                                                                               27-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
 RESULT 772
                                                                                                                  Luery Match
Best Local Similarity 27.7%; Pred. No. 4.5e-12;
RESULT 769
ID ABU52329 standard; protein; 1386 AA.
PN W0200279398-A2.
PD 10-OCT-200-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 249.5; DB 7; Length 1040; Pred. No. 3.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 250; DB 8; Length 1386;
Pred. No. 4.8e-12;
                                                                                     Length 1315;
                                                                                                                                                                                                                                                                                                                           Length 1386;
                                                                                    Query Match
13.8%; Score 250; DB 8;
Best Local Similarity 27.7%; Pred. No. 4.4e-12;
RESULT 768
                                                                                                                                                                                                                                                                                                                         13.8%; Score 250; DB 6; 27.7%; Pred. No. 4.8e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD47172 standard; protein; 1040 AA.
Human Protein NP_005067, SEQ ID NO 12866.
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                     ADL23993 standard; protein; 1386 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13.8%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 13.8%;
Best Local Similarity 27.7%;
RESULT 771
                                                                                                                                                                                                                                                                                                                                                                                     Human NOVX polypeptide #19.
US2004002120-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SHIMKETS R A.
RASTELLI L.
SPADERNA S K.
LAROCHELLE W J.
(SPAD/) SPADERNA S K. (LARO/) LAROCHELLE W J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZHONG M.
KHRAMTSOV N V.
VOSS E Z.
                                       (KHRA/) KHRAMTSOV N V.
(VOSS/) VOSS E Z.
(HERR/) HERRMANN J L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PATTURAJAN M.
BURGESS C E.
VERNET C A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GORMAN L.
MALYANKAR U M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PERNANDES E R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMITHSON G.
ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PENA C E A.
GANGOLLI E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HERRMANN J L.
                                                                                                                                                                                                                                                                                                                                                                                                                                            CHERNEV V T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GERLACH V.
POCHART P F.
                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BOLDOG F L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SHENOY S G.
PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUPIER R J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SPYTEK K A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GUSEV V Y.
                                                                                                                                                                                                                                                                                                                                                                                                                               KEKUDA R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CASMAN S
             (LARO/) LAROCHEL
(ZHON/) ZHONG M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MILLER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SHENOY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               guo x.
                                                                                                                                                                                                                                                                                                                                                                                                                   01-JAN-2004
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MILL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             rinx/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VERN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GORM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PADI/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TAUP/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 日日
```

```
ADJ68312 standard; protein; 1007 AA.
Human heat mitochondrial protein as a therapeutic target SeqID118.
WO2003087768-A2.
                                                                                       ID ABO84729 standard; protein; 1040 AA.

DE Human cancer-associated protein HP22-025.2.

PD 02-SEP-2004.

PA (SAGR-) SAGRES DISCOVERY INC.

Query Match 13.8%; Score 249.5; DB 8; Length 1040;

Best Local Similarity 26.1%; Pred. No. 3.66-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 246.5; DB 7; Length 1007; Pred. No. 6.2e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.6%; Score 246.5; DB 2; Length 1018; 24.6%; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 246.5; DB 7; Length 1018; Pred. No. 6.3e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 246.5; DB 8; Length 1018; Pred. No. 6.3e-12;
                                                         Length 1040;
                                                                                                                                                                                                                                                                                                                                                                                                    8; Length 1040;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 467;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AuJ75696 standard; protein; 1018 AA.
Marker gene related amino acid sequence SEQ ID NO:948.
EP1394274-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABB68882 standard, protein, 467 AA.
Drosophila melanogaster polypeptide SEQ ID NO 33438.
WO200171042-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 246.5; DB 2;
Pred. No. 6.3e-12;
                                                      Score 249.5; DB 8;
Pred. No. 3.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                                13.8%; Score 249.5; DB 8 26.1%; Pred. No. 3.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13.7%; Score 248; DB 4; 27.4%; Pred. No. 1.6e-12;
                                                                                                                                                                                                                                                                                        ABO84728 standard; protein; 1040 AA.
Human cancer-associated protein HP22-025.1.
WO2004074320-A2.
02-SEP-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR63759 standard; protein; 1018 AA.
Human contactin (EMBL Accession #221488)
EP618293-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE71113 standard; protein; 1018 AA.
Contactin, SEQ ID 67.
WO2003070889-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR87028 standard; protein; 1018 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (LJOL-) LA JOLLA CANCER RES FOUND.

(LJOL-) LA JOLLA CANCER RES FOUND.

ery Match

roos | Similarity 24.6%; Pred.
WO2004-2-27-MAY-2004.

GPTH ) GENENTECH INC.

MATCh 'larity 26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 24.6%;
RESULT 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13.6%;
                                                                                                                                                                                                                                                                                                                                                                            (SAGR-) SAGRES DISCOVERY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 24.6%;
RESULT 777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-OCT-1994.
(BECT ) BECTON DICKINSON CO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-OCT-2003.
(MITO-) MITOKOR.
(BUCK-) BUCK INST AGE RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-AUG-2003.
(IDEC-) IDEC PHARM CORP.
```

```
13.8%; Score 250; DB 4; Length 1219; 27.7%; Pred. No. 4e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 13.8%; Score 250; DB 8; Length 1315; Best Local Similarity 27.7%; Pred. No. 4.4e-12;
                                                                                                                 Score 250; DB 8; Length 955;
Pred. No. 2.9e-12;
                                                                                                                                                                                                                                                      Length 970;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH72138 standard; protein; 1315 AA.
Human protein of the invention NOV46h SEQ ID NO:1034
WO2003102155-A2.
                                                                                                                                                                                                                                                    13.8%; Score 250; DB 8; 27.7%; Pred. No. 2.9e-12;
   27.7%; Pred. No. 2.9e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 250; DB 6;
Pred. No. 4.4e-12;
                                                                                                                                                                 ADSII107 standard; protein; 970 AA.
Human therapeutic protein - SEQ ID 1344.
WO2004080148-A2.
                                  ADS10608 standard; protein; 955 AA.
Human therapeutic protein - SEQ ID 845.
                                                                                                                                                                                                                                                                                                  ABG12100 standard; protein; 1219 AA. Novel human diagnostic protein #12091 WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU52336 standard; protein; 1315 AA. Human GPCR related protein NOV13a. WO200279398-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL24007 standard; protein; 1315 AA.
Human NOVX polypeptide #26.
US2004002120-Al.
                                                                                                                   13.8%;
27.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 13.8%;
Best Local Similarity 27.7%;
                                                   Human therapeutic protein WO2004080148-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GUO X.
SHENOY S G.
PADIGARU M.
TAUPIER R J.
MILLER C B.
CASMAN S J.
PENA C B A.
GANGOLLI E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GERLACH V.
POCHART P F.
FERNANDES E R.
SHIMKETS R A.
RASTELLI L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIU X.
SPYTEK K A.
PATTURAJAN M.
BURGESS C E.
VERNET C A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GORMAN L.
MALYANKAR U M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GUSEV V Y.
SMITHSON G.
ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEKUDA R.
TCHERNEV V T.
Best Local Similarity
RESULT 762
                                                                                    23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BOLDOG F L.
                                                                                                                                                                                                                     23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                     Query Match
Best Local Similarity
RESULT 763
                                                                                                                                                                                                                                                                Best Local Similarity RESULT 764
                                                                                                                                                                                                                                                                                                                                                                      (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                        11-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-OCT-2002
                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (KEKU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SPYT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SHIM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (TCHE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (rinx/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (VERN/)
(LILL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FERN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GORM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PADI/
TAUP/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PENA/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ZERH/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (BURG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BOLD/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MILL/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MALY/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Gnox/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SHEN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GUSE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GANG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CASM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADO47396 standard; protein; 955 AA.
Human neurotrimin-like protein-related MAM domain GPIM protein SeqID31.
WO2004039942-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human cell adhesion and extracellular matrix protein (CADECM)-34 WO2003047526-A2.
                                                                                                                                                                                                                                                                         DB 4; Length 442;
                                                                                                                                                                                                                                                                                                                                                                                                      Length 458;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 458;
     Length 374;
                                                                                                                                      Length 440;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 458;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 880;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 886;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13.8%; Score 250; DB 8; Length 955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADO47385 standard; protein; 880 AA.
Human neurotrimin-like protein-related protein SeqID13.
WO2004039942-A2.
                                     AUC4/377 Standard; protein; 440 AA.
Human neurotrimin-like protein-related protein SeqID12.
WO2004039942-A2.
 13.8%; Score 250; DB 8; 27.7%; Pred. No. 8e-13;
                                                                                                                                    13.8%; Score 250; DB 8; 27.7%; Pred. No. 9.9e-13;
                                                                                                                                                                                                                                                                                                                                                                                                        DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13.8%; Score 250; DB 8; 27.7%; Pred. No. 2.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.8%; Score 250; DB 7; 27.7%; Pred. No. 2.6e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 250; DB 8;
Pred. No. 2.9e-12;
                                                                                                                                                                                                                                                                     13.8%; Score 250; DB 4 27.7%; Pred. No. 1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                      13.8%; Score 250; DB 4 27.7%; Pred. No. 1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 250; DB 8
Pred. No. 1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13.8%; Score 250; DB 8 27.7%; Pred. No. 1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADS10607 standard; protein; 458 AA.
Human therapeutic protein - SEQ ID 844.
WO2004080148-A2.
23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AD047383 standard; protein; 955 AA. Human neurotrimin-like protein SeqID18 wQ2004039942-A2. (NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AD047369 standard; protein; 458 AA.
Human neurotrimin-like protein SegID4.
WO2004039992-A2.
                                                                                                                                                                                   ABB76022 standard; protein; 442 AA.
Neurotrimin-like polypeptide.
WO200157175-A2.
                                                                                                                                                                                                                                                                                                                    ABB76017 standard; protein; 458 AA.
Neurotrimin-like polypeptide.
WO200157175-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAO30844 standard; protein; 886 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.8%;
27.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13.8%;
27.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 753
ID AD047377 standard; pr
DE Human neurotrimin-lik
PN W02004039942-A2.
PD 13-MAY-2004.
PA (NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
Best Local Similarity
RESULT 761
                                                                                                                                                Best Local Similarity RESULT 754
                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 760
                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 756
                                                                                                                                                                                                                                                      (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                     (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-MAY-2004.
(NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAY-2004.
(NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                       09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
```

```
AAB61142 standard; protein; 404 AA.
Human NOV12 protein.
WO200075321-A2.
                                                                                                                                                                                                                                                                                                                          ABB76023 standard; protein; 570 AA. Neurotrimin-like polypeptide. WO200157175-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB76016 standard; protein; 374 AA.
Neurotrimin-like polypeptide.
WO200157175-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14.0%;
27.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14.0%;
27.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.9%;
27.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13.8%; 27.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-FEB-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-DEC-2000.
(CURA-) CURAGEN CORP.
  (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 750
                                                Best Local Similarity RESULT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                          09-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-AUG-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200157175-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-MAY-2004.
(NUVE-) NUVELO.
                                                                                                                                                                                            13-MAY-2004.
(NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NUVE-) NUVELO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-SEP-200:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-AUG-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                         Length 5175;
                                                                                                                                                                                                                                                                                                                                                                                         DB 8; Length 5198;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14.1%; Score 254.5; DB 8; Length 5198; 29.3%; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 14.0%; Score 253.5; DB 8; Length 404; Best Local Similarity 27.1%; Pred. No. 4.4e-13; RESULT 742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 306;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14.0%; Score 253.5; DB 5; Length 404; 27.1%; Pred. No. 4.4e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 27.1%; Pred. No. 3e-13;
RESULT 739
ID ABG66677 standard; protein; 404 AA.
BE Human novel polypeptide #12.
By NO200244340-A2.
By G-JUN-2002.
By HYSEQ INC.
(CHEN/) CHEN X.
(GOLD/) GOLDMAN B S.
Ouery Match
Best Local Similarity 29.3%; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 253.5; DB 8;
Pred. No. 4.4e-13;
                                                                                                                                                                                                                                                                                                                                                                                      14.1%; Score 254.5; DB 8 29.3%; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14.0%; Score 253.5; DB 6 27.1%; Pred. No. 4.4e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABJ20221 standard; protein; 404 AA.
Human IG gene related protein SEQ ID No 44.
WO200299040-A2.
                                                                                                         Bacterial polypeptide #6860.

Was2003233675-Al.

Bacterial polypeptide #6860.

Was2003233675-Al.

BabBC-2003.

(GAOY) CAOY) CAOY

(SLATY) SLATER S C.

(CHEN) CHEN X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM74177 standard; protein; 306 AA.
Human NOV3D protein sequence SegID16.
WO2004015079-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADN24205 standard; protein; 5198 AA. Bacterial polypeptide #6858. US2003233675-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABG66677 standard, protein, 404 AA. Human novel polypeptide #12. WO200244340-A2. G6-JUN-2002. (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADF66751 standard; protein; 404 AA.
Novel human protein NOV12.
US2003199103-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADI19788 standard; protein; 404 AA.
Human NOV12 protein.
US2004002134-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADO60261 standard, protein; 404 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14.0%;
                                                                                                                                                                                                                                                Ch.

I HINK.

If) SLATER

ABN/) CHEN X.

GOLD/) GOLDMAN B E.

Aery Match

Aest Local Similarity

ESULT 77

ID ADN34205 standard

DE Bacterial polyp

PN US2003233675-
PN US2003233675-
PN (HINK/)
PA (HINK/)
PA (HINK/)
PA (ST/)
PA 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 743
ID AD060261 standard, pro
DE Human NOV12 protein.
PN US2003134430-A1.
PD 17-UUL-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-DEC-2002.
(EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-FEB-2004.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003.
(CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JAN-2004.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 741
                                                                                                    RESULT 736
```

```
ABO23244 standard; protein; 404 AA.
Human breast tumour associated protein 47-like polypeptide NOV12.
US2003027158-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13.9%; Score 250.5; DB 4; Length 404; 27.1%; Pred. No. 8e-13;
14.0%; Score 253.5; DB 8; Length 404; 27.1%; Pred. No. 4.4e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 251.5; DB 6; Length 404;
Pred. No. 6.6e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13.9%; Score 250.5; DB 4; Length 885; 26.5%; Pred. No. 2.3e-12;
                                                                                                                                                                                      Length 568;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Length 374;
                                                                                                                                                                                                                                                                                                                                                                                   Length 570;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADO47381 standard; protein; 374 AA.
Human neurotrimin-like protein-related protein SeqID16.
WO2004039942-A2.
                                                                    AD047378 standard; protein; 568 AA.
Human neurotrimin-like protein-related protein SeqID13.
WO2004039942-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABB61502 standard; protein; 885 AA.
Drosophila melanogaster polypeptide SEQ ID NO 11298.
WO200171042-A2.
                                                                                                                                                                                   / Match 14.0%; Score 253; DB 8; Local Similarity 27.4%; Pred. No. 7.8e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14.0%; Score 253; DB 4; 27.4%; Pred. No. 8.1e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 253; DB 8;
Pred. No. 8.1e-13;
                                                                                                                                                                                                                                                                                                                                                                                 Score 253; DB 4;
Pred. No. 7.8e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 250; DB 4
Pred. No. 8e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB76018 standard; protein; 586 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human neurotrimin-like protein; 586 AA. WO20104039942-AZ.
```

```
Score 254.5; DB 8; Length 5175; Pred. No. 1.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 14.2%; Score 256.5; DB 7; Length 404; Best Local Similarity 27.4%; Pred. No. 2.4e-13; RESULT 731
                                                               Length 31267;
                                                                                                                                                                                                                        Length 34350;
                                                                                                                                                                                                                                                                                                                                                                                    Score 258.5; DB 8; Length 381;
Pred. No. 1.5e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 444;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 444;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14.1%; Score 255; DB 4; Length 359; 24.9%; Pred. No. 2.8e-13;
                                                                                                                       ADQ89964 standard; protein; 34350 AA.
Antagonist of cell cycle progression polypeptide #197
WO2004063362-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB63920 standard; protein; 359 AA.
Drosophila melanogaster polypeptide SEQ ID NO 18552.
W0200171042-A2.
77-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                        Match 14.3%; Score 259; DB 8; Local Similarity 29.6%; Pred. No. 6.4e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USecary 201.
24-APR-2001.
(ELAN-) ELAN PHARM INC.
(ELAN-) ELAN PHARM INC.
14.2%; Score 256; DB 4;
ery Match
` cimilarity 26.7%; Pred. No. 3.1e-13;
                                                             14.3%; Score 259; DB 6; 29.6%; Pred. No. 5.7e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 256; DB 2;
Pred. No. 3.1e-13;
                                                                                                                                                                                                                                                                             ADM74171 standard; protein; 381 AA.
Human NOV3A protein sequence SeqID10.
WO2004015079-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADN24206 standard, protein, 5175 AA.
Bacterial polypeptide #6859.
US2003233675-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADN24208 standard; protein; 5175 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                               Human cell adhesion molecule NOV12. 01-May.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY33741 standard; protein; 444 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB47251 standard; protein; 444 AA
                        27-DEC-2002.
(TAKE ) TAKEDA CHEM IND LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14.1%;
29.3%;
                                                                                                                                                                                                                                                                                                                                                                                  Query Match 14.3%;
Best Local Similarity 27.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacterial polypeptide #6861
US2003233675-A1.
18-DEC-2003.
(CAOY/) CAO Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-AUG-1999.
(ELAN-) ELAN PHARM INC.
                                                                                                                                                                                                                                                                                                                                       19-FEB-2004.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                   ) 29-JUL-2004.
(CYCL-) CYCLACEL LTD.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CHEN/) CHEN X. (GOLD/) GOLDMAN B S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-DEC-2003.
(CAOY/) CAO Y.
(HINK/) HINKLE G J.
(SLAT/) SLATER S C.
                                                                            Best Local Similarity RESULT 728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
RESULT 733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HINK/) HINKLE G J. (SLAT/) SLATER S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
      WO2002103355-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Beta-secretase.
US5942400-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beta-secretase.
US6221645-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAYS3666 standard; protein; 4412 AA.
Seguence gi/1017427/emb/CAA62189 from an alignment with protein 608.
WO9960164-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A A RESCA) TESSIER-LAVIGNE M.

A (GOOD) GOODMAN C S.

A (KIDD) KIDD T.

A (TESS) TESSIER-LAVIGNE M.

QUELY MATCh

14.5%; Score 261; DB 7; Length 1395;

Best Local Similarity 26.1%; Pred. No. 5.4e-13;
                      14.9%; Score 268.5; DB 6; Length 1498; 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14.4%; Score 260.5; DB 4; Length 496; 26.2%; Pred. No. 1.5e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 14:5%; Score 261; DB 2; Length 1395; Best Local Similarity 26:1%; Pred. No. 5.4e-13; RESULT 722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vuery Match
Best Local Similarity 26.1%; Pred. No. 5.4e-13;
RESULT 723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1395;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 4412;
                                                                                                                                                                                                                                                                                                                                             Length 142;
                                                                                                                                                                                 14.8%; Score 267; DB 3; Length 58; 86.2%; Pred. No. 2.1e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABB62052 standard; protein; 496 AA.
Drosophila melanogaster polypeptide SEQ ID NO 12948.
A220171042-A2.
27-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABB68257 standard; protein; 1395 AA.
Drosophila melanogaster polypeptide SEQ ID NO 31563.
WO200171042-A2.
                                                                                                                                                                                                                                                                                                                                         14.6%; Score 263; DB 5; 44.1%; Pred. No. 1.6e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14.4%; Score 260; DB 4; 26.1%; Pred. No. 6.6e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 259; DB 3;
Pred. No. 3.9e-12;
                                                                        AAG02771 standard; protein; 58 AA.
Human secreted protein, SEQ ID NO: 6852.
EP1033401-A2.
                                                                                                                                                                                                                                        ABB97902 standard; protein; 142 AA.
Human secretory polypeptide (SPTM) 154.
WO200220756-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABG74786 standard; protein; 31267 AA.
Human RGS11 protein.
                                                                                                                                                                                                                                                                                                                                                                                              AAY13563 standard; 'protein; 1395 AA.
Drosophila Robo 1 polypeptde.
WO9925833-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY08401 standard; protein; 1395 AA. Drosophila sp. ROBO1 protein. WO9920764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QUARK BIOTECH INC.
h
Similarity 29.6%;
                                                                                                                                                                                                                                                                                                                    (INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-MAY-1999.
(REGC ) UNIV CALIFORNIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-APR-1999.
(REGC ) UNIV CALIFORNIA.
                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                               Best Local Similarity RESULT 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 726
                                  Best Local Similarity RESULT 719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 725
(HYSE-) HYSEQ INC.
                                                                                                                                                              (GEST ) GENSET.
                                                                                                                                       06-SEP-2000
                                                                                                                                                                                                                                                                                                      14-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-SEP-200
                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                      Query Match
```

```
Score 268.5; DB 7; Length 1496; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14.9%; Score 268.5; DB 8; Length 1496; 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 268.5; DB 8; Length 1496;
Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 268.5; DB 4; Length 1498; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                              14.9%; Score 268.5; DB 7; Length 1496; 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1496;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 1496;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1496;
                                                                                                                                                                                                                                                                                                                                      ADQ18902 standard; protein; 1496 AA.

Human soft tissue sarcoma-upregulated protein - SEQ ID 1721.

W02004048938-A2.

10-JUN-2004.

10-JUN-2004.

14.9%; Score 268.5; DB 8; Length 149

ET Local Similarity 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADROGO92 standard; protein; 1496 AA.
Human prostatic carcinoma derived protein SEQ ID 288 #1.
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADR66434 standard; protein; 1496 AA.
Human prostatic carcinoma derived protein SEQ ID 288 #2.
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ89914 standard; protein; 1496 AA.
Antagonist of cell cycle progression polypeptide #172.
WO2004063362-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AD089920 standard; protein; 1496 AA.
Antagonist of cell cycle progression polypeptide #175.
WO2004063362-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 268.5; DB 8;
Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14.9%; Score 268.5; DB 8; 28.8%; Pred. No. 1.3e-13;
                                                                                                                         ADF28706 standard; protein; 1496 AA.

Human peroxidasin-like MG50 protein - SED ID 616
WQ2003048326-A2.
12-UTN-2003.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polypeptide encoded by novel human contig #13.20-mar-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABB11587 standard; peptide; 1498 AA.
Human peroxidasin homologue, SEQ ID NO:1957.
WO200157188-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14.9%;
28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14.9%;
28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14.9%;
28.8%;
                   HETH ) GENENTECH INC.
Match 14.9%;
Local Similarity 28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-SEP-2004.
(HINZ/) HINZMANN B.
(DAHL/) DAHL B.
(ROSE/) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUL-2004.
(CYCL-) CYCLACEL LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-JUL-2004.
(CYCL-) CYCLACEL LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ROSE/) ROSENTHAL A.
(HERM/) HERMANN K.
(PILA/) PILARSKY C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 714
                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-SEP-2004.
(HINZ/) HINZMANN B.
(DAHL/) DAHL E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HYSE-) HYSEQ INC.
  17-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-AUG-200
                           PA (GETH ) GE
Query Match
Best Local Si
RESULT 711
                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     wery Match 14.9%; Score 268.5; DB 3; Length 1496; Best Local Similarity 28.8%; Pred. No. 1.3e-13; RESULT 709
ID ABU03498 standard; protein; 1496 AA.
DE Angiogenesie-associated human no. 10.0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 28.8%; Pred. No. 1.3e-13; DB 6; Length 1496; DB 5D ADB89024 standard; protein: 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 1469;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14.9%; Score 268.5; DB 8; Length 1479; 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1496;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1469;
                                                    Length 152;
                                                                                                                                                                                                                                                                 Length 152;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADR65991 standard; protein; 1469 AA.
Human prostatic carcinoma derived protein SEQ ID 187 #1.
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                        ADR66889 standard; protein; 1469 AA.
Human prostatic carcinoma derived DNA SEQ ID 187 #4
WO2004076614-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL35117 standard; protein; 1479 AA.
Human peroxidasin-melanoma antigen-related protein.
WO2004019893-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ID AAW81030 standard; protein; 1496 AA.

DE Melanoma associated antigen MG50.

PN WO9955133-A1.

PD 10-DEC-1995

PA (REGC) UNIV CALIFORNIA.

PA (UYSC-) UNIV SOUTHERN CALIFORNIA.

QUERY MATCh 14.9%; Score 268.5; DB 2;

Best Local Similarity 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14.9%; Score 268.5; DB 8; 28.8%; Pred. No. 1.3e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14.9%; Score 268.5; DB 8 28.8%; Pred. No. 1.3e-13;
  PA (HUMA-) HUMAN GENOME SCI INC.
Query Match 14.9%; Score 269; DB 4;
Best Local Similarity 42.3%; Pred. No. 5.3e-15;
RESULT 703
                                                                                                                                                                                                                                                           14.9%; Score 269; DB 7; 42.3%; Pred. No. 5.3e-15;
                                                                                                                         ADB31647 standard; protein; 152 AA. Human novel protein SEQ ID NO 168. US2003077606-A1.
                                                                                                                                                                                                         24-APR-2003.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-MAR-2004.
(RIGE-) RIGEL PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                               HI.

S/) DAHL

S/) DAHL

SRM/) HERMANN .

PILA/) PILARSKY C.

LOCAL Similarity 2P.

ABSULT 705

ID ADM65991 standard.

DE Human prostatic

PN W02004076614-

PD 10-SEP-200'

PA (HIMZ/)

PA (DAHL/)

PA (DAHL/)

PA (RC'

P
                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 707
02-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                              10-SEP-2004
                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query
```

```
ID ADD25619 standard; protein; 848 AA.

DE Binding domain-immunoglobulin fusion protein-associated protein #87.

PR USJ0311859-A1.

PD 26-UUN-2003.

PA (GENE-) GENECRAFT INC.

Query Match

Best Local Similarity 25.7%; Pred. No. 1.7e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAO30845 standard; protein; 859 AA.
Human cell adhesion and extracellular matrix protein (CADECM)-35.
Human cell adhesion and extracellular matrix protein (CADECM)-35.
12-JUN-2003.
(INCY-) INCYTE GENOMICS INC.
ery Match
st Local Similarity 24.8%; Pred. No. 3.8e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID ADH48822 standard; protein; 1426 AA.

DE NOV45A protein sequence, SEQ ID 106.

PR WO200268652-A2.

PD 06-SEP-2002.

PA (CURA-) CURAGEN CORP.

Query Match 15.0%; Score 271.5; DB 5; Length 1426;

Best Local Similarity 29.6%; Pred. No. 6.9e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match 15.1%; Score 273.5; DB 5; Length 1356; Best Local Similarity 29.6%; Pred. No. 4.4e-14; RESULT 699
Query Match 15.3%; Score 275.5; DB 7; Length 853; Best Local Similarity 25.5%; Pred. No. 1.6e-14; RESULT 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vuery Match 15.2%; Score 274; DB 6; Length 1477; Best Local Similarity 29.2%; Pred. No. 4.4e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15.0%; Score 270; DB 4; Length 729; 26.7%; Pred. No. 3.7e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15.2%; Score 275; DB 7; Length 90; 61.8%; Pred. No. 7.9e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB68566 standard; protein; 729 AA.
Drosophila melanogaster polypeptide SEQ ID NO 32490.
27-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU18023 standard; protein; 152 AA.
Human immunoglobulin polypeptide SEQ ID No 168.
WO200155315-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE37177 standard; protein; 1477 AA.
E Human IRRCAPS protein #2.
N W02003035831-A2.
O1-MAY-2003.
A (EXEL-) EXELIXIS INC.
15.2%; Score 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH48824 standard; protein; 1356 AA.
NOV45B protein sequence, SEQ ID 108.
WO200268652-A2.
                                                                                ADL36019 standard; protein; 90 AA.
Human NOVX-related polypeptide #17
US2003207800-A1.
                                                                                                                                                                                                        (MALY/) MALYANKAR U M.
(SHEN/) SHENOY S G.
(SPYT/) SPYTEK R A.
(ZERH/) ZERHUSEN B D.
(PATT/) PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                       GUO X.
KEKUDA R.
GANGOLLI E A.
SHIMKETS R A.
TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-SEP-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                              (SPYT/) SPYTEK K A.

(ZERH/) ZERHUSEN B D.

(PATT/) PATTURAJAN M.

(GUOX/) GUOX R.

(KEKU/) KEKUDA R.

(GANG/) GANGOLLI E A.

(SHIM/) SHIMKEYS R A.

(TAUP/) TAUPIER R J.

(LILL/) LI L.

(PADI/) PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                       15.8%; Score 284.5; DB 4; Length 467; 26.1%; Pred. No. 1.1e-15;
                                                                                                                                                                                                                                                                                                                                                                                     15.4%; Score 277.5; DB 7; Length 858; 25.5%; Pred. No. 1.1e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         vuery Match
Best Local Similarity 25.7%; Pred. No. 1.4e-14;
RESULT 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 733;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 761;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15.3%; Score 276; DB 3; Length 848; 25.7%; Pred. No. 1.4e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 848;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY88565 standard; protein; 848 AA.
Human NCAM 140kD isoform precursor amino acid sequence.
WO200018801-A2.
     Drosophila melanogaster polypeptide SEQ ID NO 15924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADI24546 standard; protein; 848 AA.
Human modifier of Chkl (MCHK) protein SEQ ID NO:96.
WQ2004004785-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 25.7%; Pred. No. 1.1e-14;
RESULT 690
B Human Protein P13592, SEQ ID NO 9270.
PN W02003016475-A2.
PD 27-FEB-2003.
PN (SEM O) GEN HOSPITAL CORP.
PA (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15.3%; Score 276; DB 7; 25.7%; Pred. No. 1.2e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE63332 standard; protein; 761 AA. Human Protein P13592, SEQ ID NO 9270. WO2003104475-A2. CEPEB-2003. (GEHO ) GEN HOSPITAL CORP. (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF28603 standard; protein; 853 AA.
Bovine NCM-140 protein - SED ID 513.
WO2003048126-A2.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                        ADE63330 standard; protein; 858 AA. Rat Protein P13596, SEQ ID NO 9268. W02003016475-A2. 27-FEB-2003. (GEHO ) GEN HOSPITAL CORP. (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADASS624 standard; protein; 733 AA.
Human protein, SEQ ID 3192.
EP1293569-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE17222 standard; protein; 848 AA.
Human 140kd NCAM isoform protein.
WO200196364-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-MAR-2003.
(HELI-) HELIX RES INST.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JOSEN
JOSEN V.

                                                                                                                                      Best Local Similarity
RESULT 688
ID ADE6330 etandard; pr
DE Rat Protein P13596, S
PN WO2003016475-A2.
PD 27-REB-2003.
PA (GHO) GEN'HOSFITAL (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JAN-2004.
(EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OSTERGAARD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (JENS/) JENSEN P H.
(POUL/) POULSEN F M.
(SORO/) SOROKA V.
(RALE/) RALETS I.
(BERE/) BEREZIN V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RONN L C B.
BOCK E.
HOLM A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 693
                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 691
                                                                                            (PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OLSEN M.
                                   WO200171042-A2.
27-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-APR-2000.
(RONN/) RONN
(BOCK/) BOCK
(HOLM/) HOLM
(OLSE/) OLSER
(OSTE/) OSTER
(JENS/) JENSI
(BOUL/) POULL
(SORO/) SOROLS
                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

```
Score 288.5; DB 8; Length 1953;
Pred. No. 3.6e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match 16.0%; Score 288.5; DB 5; Length 5635; Best Local Similarity 31.1%; Pred. No. 1.6e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 287.5; DB 7; Length 1708; Pred. No. 3.7e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 288.5; DB 7; Length 3645; Pred. No. 8.6e-15;
                                                                                                 ADJ81136 standard; protein; 3645 AA.
Human hemicentrin protein - SEQ ID 127.
US2003170630-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG39841 standard; protein; 1708 AA. Protein similar to human NOV9 #2. US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABP66991 standard; protein; 5635 AA. Novel human protein. SEQ ID 78. WO200250105-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABB63044 standard; protein; 467 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-JUN-2002.
(SMIK ) SMITHKLINE BEECHAM CORP.
(SMIK ) SMITHKLINE BEECHAM PLC.
(GLAX ) GLAXO GROUP LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16.0%;
31.1%;
                                                            16.0%;
31.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15.9%;
31.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                  MILLET I.
SCIORE P.
ELLERMAN K.
MACDOUGALL J R.
SMITHSON G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPPER J N.
MALYANKAR U M.
MASSERAN S M.
EDINGER S R.
SMITHSON G.
GUNTHER E.
                                                                                                                                                                                                                                                                                                                                                    GANGOLLI E A.
FERNANDES E R.
RIEGER D K.
EDINGER S R.
                                                                                                                                                (ALSO)) ALSOBROOK J P. (TCHE/) TCHERNEV V T. (LIUX/) LIU X. (SPYT/) SPYTEK K A.
(MALY/) MALYANKAR U M. (SHIM/) SHIMKETS R A.
                                                                                                                                                                            LIU X.
SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
           (SHIM/) SHIMKETS R A. (TAUP/) TAUPIER R J. (EDIN/) EDINGER S. (MAZU/) MAZUR A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GUO X.
SHIMKETS R A.
                                                                                                                                                                                                                           LEPLEY D M.
BURGESS C E.
SHIMKETS R A.
GROSSE W M.
                                                                                                                                                                                                                                                                             SZEKERES E S.
VERNET C A M.
                                                                                                                                                                                                                                                                                                                CASMAN S J.
BOLDOG F L.
GORMAN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PADIGARU M.
KEKUDA R.
SPYTEK K A.
MEHRABAN F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (PENA/) PENA C E A. (GUOX/) GUO X.
                                                                     Best Local Similarity RESULT 684
                                                                                                                                       11-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MACD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PADI/)
(KEKU/)
                                                                                                                                                                                                                                                                                                                                                                    (FERN/)
(RIEG/)
(EDIN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (WASS/)
(EDIN/)
                                                                                                                                                                                                   (ZERH/)
(PATT/)
                                                                                                                                                                                                                                                                                                                                                                                                                    (MILL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SHIM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MEHR/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (TOPP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMIT/)
                                                                                                                                                                                                                                       (BURG/)
                                                                                                                                                                                                                                                                                                                                (BOLD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                             (ELLE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GUNT/
                                                                                                                                                                                                                                                                                                      (LILL)
                                                                                                                                                                                                                                                                                                                   CASM/
                                                                                                                                                                                                                                                                                                                                                       (GANG/
                                                                                                                                                                                                                                                                              SZEK/
                                                                                                                                                                                                                              LEPL)
                                                                                                                                                                                                                                                                  GROS/
                                                                                                                                                                                                                                                                                          VERN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
                                                                                                   16.0%; Score 288.5; DB 4; Length 1240; 31.1%; Pred. No. 2e-15;
                                                                                                                                                                                                                                                    Length 1336;
                                                                                                                                                                                                                                                                                                                                                    Query Match 16.0%; Score 288.5; DB 6; Length 1902; Best Local Similarity 31.1%; Pred. No. 3.5e-15; RESULT 681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 16.0%; Score 288.5; DB 7; Length 1953; Best Local Similarity 31.1%; Pred. No. 3.6e-15; RESULT 683
                                                                                                                                                                                                                                                                                                                                                                                                                                                        16.0%; Score 288.5; DB 8; Length 1902; 31.1%; Pred. No. 3.5e-15;
                                                Query Match 16.0%; Score 288.5; DB 8; Length 961; Best Local Similarity 30.5%; Pred. No. 1.4e-15; RESULT 678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE16058 standard; protein; 1953 AA.
G-coupled protein receptor related polypeptide, SEQ ID No 88.
WO200283841-A2.
                                                                                                                                                                                                                                                                                                                                                                                          ADH72108 standard; protein; 1902 AA.
Human protein of the invention NOV43d SEQ ID NO:1004
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL93997 standard; protein; 1953 AA.
Human G-coupled protein receptor-related protein #44
US2004006205-A1.
                                                                                                                                                                                                                                                    16.0%; Score 288.5; DB 5; 31.1%; Pred. No. 2.2e-15;
                                                                                                                                                                                                                                                                                     ABU12084 standard; protein; 1902 AA.
Human NOV25c CG56914-03 protein SEQ ID 88.
WO200281625-A2.
                                                                                                                                                                                     AAB47771 standard; protein; 1336 AA.
Human thrombospondin protein, BTL.012.
WO200174852-A2.
                                                                                    ABG03933 standard; protein; 1240 AA. Novel human diagnostic protein #3924. WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MACDOUGALL J R. RASTELLI L.
(VERN/) SPYTEK K A.
(VERN/) VERNET C A M.
(VOSS/) VOSS E Z.
(ZERH/) ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LI L.
GERLACH V.
LIU X.
MILLER C E.
SPYTEK K A.
ZERHUSEN B D.
PENA C E A.
SHENOY S G.
                                                                                                                                                                                                                                                                                                                               17-OCT-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-OCT-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                             (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZHONG H.
SMITHSON G.
CASMAN S J.
BOLDOG F L.
VOSS E Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANDERSON D W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PATTURAJAN M.
BURGESS C E.
                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZHONG M.
MEZES P S.
FURTAK K.
                                                                                                                                                Query Match
Best Local Similarity
RESULT 679
                                                                                                                                                                                                                            11-OCT-2001.
(FARB ) BAYER CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 682
                                                                                                                        11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PATT/)
(BURG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (LIUX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GERL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZERH/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZHON/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANDE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SHEN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FURT/
                                                                                                                                                                                                                                                                                           DE DE .
                                                                                                                                                                                                                                                                                                                                                                                             A D E E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PN DE
```

ALSOBROOK J P.

(ALSO/)

```
16.1%; Score 290.5; DB 8; Length 5636; 31.1%; Pred. No. 1e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16.0%; Score 289.5; DB 7; Length 1708; 29.8%; Pred. No. 2.5e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16.0%; Score 289.5; DB 7; Length 1708; 31.1%; Pred. No. 2.5e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 16.0%; Score 288.5; DB 6; Length 707; Best Local Similarity 31.1%; Pred. No. 9.1e-16; RESULT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16.0%; Score 288.5; DB 8; Length 707; 31.1%; Pred. No. 9.1e-16;
                                                                          ADP73129 standard; protein; 5636 AA.
Angiogenesis inhibitor human protein sequence, GS-P29.
FR2843753-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH72102 standard; protein; 707 AA.
Human protein of the invention NOV43a SEQ ID NO:998.
WOZ003102155-A2.
Best Local Similarity 31.1%; Pred. No. 1e-14; RESULT 669

ID ADP73129 standard; protein; 5636 AA.

DE Anglogenesis inhibitor human protein sequence, PN F72843753-A1.

PN 27-FEB-2004.

PA (GENE/) GENE S.

PA (ALMS/) AL M S.
                                                                                                                                                                                                                                                                                                                                  ADG39844 standard; protein; 1708 AA.
Protein similar to human NOV9 #5.
US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG39840 standard; protein; 1708 AA.
Protein similar to human NOV9 #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU69134 standard; protein; 707 AA.
Human NOVX polypeptide #9.
WO200290504-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AD008271 standard; protein; 707 AA. Human NOVX polypeptide #9. US2004018594-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GUOX/) GUO X.
(SHIM/) SHIMKETS R A.
(PADI/) PADIGARU M.
(KEKU/) KEKUDA R.
(SPYT/) SPYTEK R A.
(TOPP/) TOPPER J N.
(MALY/) MALYANGAR U M.
(MASS/) WASSERMAN S M.
(WASS/) WASSERMAN S M.
(GUNT/) GUNTHER B.
(GUNT/) GUNTHER E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (MALY) MALYANKAR U M.
(MASS) WASSERWAN S M.
(EDIN/) EDINGER S R.
(SMIT/) SMITHSON G.
(GUNT/) GUNTHER E.
(KOMU/) KOMUVES L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 672
ID ABU69134 standard; pro
DE Human NOVX polypeptidi
PN WO200296504-A2.
PD 14-NOV-2002.
PA (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-NOV-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SHIMKETS R A.
PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KEKUDA R.
SPYTEK K A.
MEHRABAN F.
                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 670
                                                                                                                                                                                                                                                                                                                                                                                                                                                PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PENA C E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPPER J N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                       PD 27-FEB-2004...
PA (GENE/) GENE S.
PA (ALMS/) AL M S.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003203843-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GUOX/)
(SHIM/)
(PADI/)
(KEKU/)
(SPYT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PENA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (TOPP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query N
Best Lot
Best
```

```
Query Match

Best Local Similarity 31.1%; Score 288.5; DB 8; Length 707;

Best Local Similarity 31.1%; Pred. No. 9.1e-16;

RESULT 675

ID ADH72104 standard; protein; 712 AA.

DB Human protein of the invention NOV43b SEQ ID NO:1000.

PN WO2003102155-A2.

PN I-DEC-2003.

PA (CURA-) CURAGEN CORP.

Query Match

Query Match

RESULT 676

RESULT 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 16.0%; Score 288.5; DB 6; Length 961; Best Local Similarity 30.5%; Pred. No. 1.4e-15; RESULT 677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU99129 standard; protein; 961 AA.

E Novel human GPCR related protein NOV9b.
N W0200299116.A2.
A (CURA-) CURAGEN CORP.
A (CURA-) CURAGEN CORP.
16.0%; Score 288.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM93823 standard; protein; 961 AA.
Human NOV protein #21.
US2004009480-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANDERSON D W.
BAUMGARTNER J C.
BOLDOG F L.
CASMAN S J.
BDINGER S R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LI L.
MACDOUGALL J R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MALYANKAR U M.
MILLET I.
PADIGARU M.
PATTURAJAN M.
ANDERSON D W.
BOLDOG F L.
BURGESS C E.
CASMAN S J.
CHAPOVAL A.
EDINGER S R.
GERLACH V.
                                                                                                                                                                  LIU X.
MALYANKAR U M.
                                                                                                                                                                                                                             PATTURAJAN M.
PENA C E A.
RIEGER D K.
SHENOY S G.
SHIMKETS R A.
SPYTEK R A.
TAUPIER R J.
VERNET C A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PENA C E A. RASTELLI L. SHIMKETS R A. STONE D J.
                                                                                     GORMAN L.
GUNTHER E.
GUO X S.
KEKUDA R.
LEPLEY D M.
                                                                                                                                                                                            MILLER C E.
                                                                                                                                                                                                                   PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GORMAN L.
GUO X S.
HJALT T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GERLACH V
                                                                                                                                                                                                        MILLET I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KEKUDA R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JAN-2004
                                                                                                                                                                                                                                                                                 (SHIM/) S
(SPYT/) S
(TAUP/) T
(VERN/) V
(VOSS/) V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ANDE/) H
(BAUM/) H
(BOLD/) H
(CASM/) G
(EDIN/) H
(GANG/) C
 (ANDE/)
(BOLD/)
(BURG/)
(CASM/)
(CHAP/)
(EDIN/)
                                                                                                    (GUOX/)
(GUOX/)
(KEKU/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SHIM/)
(STON/)
                                                                                                                                                                                                                               (PATT/)
(PENA/)
(RIEG/)
(SHEN/)
                                                                                        GORM/)
                                                                                                                                                                   rinx/
                                                                                                                                                                                                                   (PADI/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HJAL/
                                                                                                                                                                                           (MILL/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GORM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GNOX/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PENA/
                                                                                                                                                      (LILL/
                                                                                                                                                                               (MALY/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (LILL/
(MACD/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MALY/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PADI/
```

```
PATTURAJAN M.
PENA C E A.
RIEGER D.
SHENOY S G.
SHINGTS R A.
SPYTEK K A.
TAUPIER R J.
VERNET C A M.
VERNET C A M.
VOSS E Z.
VOSS E Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SHIMKETS R A. GROSSE W M. SZEKERES E S. VERNET C A M.
                                                                                                                                                                                                                                                                                                                                                                                                        ALSOBROOK J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                               SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
LEPLEY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FERNANDES E R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-SEP-2003.
(GENE-) GENE SIGNAL.
(ALMA/) AL MAHMOOD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      O 05-SEP-2003.
GENE-) GENE SIGNAL.
A (ALMA/) AL MAHMOOD S.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                     TCHERNEV V T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GORMAN L.
GANGOLLI E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EDINGER S R.
GUNTHER E.
MILLET I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LI L.
CASMAN S J.
BOLDOG F L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BURGESS C E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RIEGER D K.
                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                        US2003170630-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                          (VOSS/)
                                                                                                                                                                                                                                                                                                                                                                                                        (ALSO/)
(TCHE/)
(LIUX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MACD/)
                                                                     (SHEN/)
                                                                                                             (TAUP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZERH/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (EDIN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SCIO/)
                                                         RIEG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SHIM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SPYT/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (FERN/
                                           PENA/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VERN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (RIEG/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MILL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CASM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
RESULT 667
                                                                                  Length 2572;
                                                                                                                                                                                                                  Length 2673;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16.1%; Score 290.5; DB 8; Length 4495; 29.8%; Pred. No. 7.7e-15;
                                                                                                                                                                                                                                                                                                                                               16.1%; Score 290.5; DB 8; Length 2673; 29.8%; Pred. No. 3.8e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2673;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 4495;
                                                                                                                                                                                                                                                                                                                                                                                       ADP73149 standard; protein; 2673 AA.
Angiogenesis inhibitor human protein sequence, GS-P52.
FR2843753-A1.
                                                                                                                         ADK60225 standard; protein; 2673 AA.
Angiogenesis differentially expressed protein GS-P52.
FR2836697-A1.
OS-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH72106 standard, protein, 4495 AA.
Human protein of the invention NOV43c SEQ ID NO:1002.
WO2003102155-A2.
                                                                                                                                                                                                                                                       ADK60526 standard; protein; 2673 AA.
Angiogenesis differentially expressed protein GS-P52.
FR2036686-A1.
                                                                                 Score 290.5; DB 6;
Pred. No. 3.6e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 290.5; DB 8;
Pred. No. 3.8e-15;
                                                                                                                                                                                                                DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 6;
                                                                                                                                                                                                                Score 290.5; DB 8
Pred. No. 3.8e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16.1%; Score 290.5; DB 6 29.8%; Pred. No. 7.7e-15;
         ABU12083 standard; protein; 2572 AA.
Human NOV25b CG93858-02 protein SEQ ID 86.
WO200281625-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Auman NOVX polypeptide #10.
WO200290504-A2.
14-NOV-2002.
ICURA, CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AD008273 standard; protein; 4495 AA.
Human NOVX polypeptide #10.
US2004018594-A1.
                                                                               Query Match
Best Local Similarity 29.8%; P.
RESULT 659
DE Angiogenesis differentially exp.
PN FR2836687-A1.
PD 05-SED-2003.
PA (GENE-) GENE SIGNAL.
PA (ALMA/) AL MAHMOOD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16.1%;
29.8%;
                                                                                                                                                                                                               16.1%;
29.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LIU X.
MALYANKAR U M.
MILLER C E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALSOBROOK J P.
ANDERSON D W.
BOLDOG F L.
                                                      17-OCT-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                               (GENE-) GENE SIGNAL.
(ALMA/) AL MAHMOOD S.
                                                                                                                                                                                                                                                                                                     05-SEP-2003.
(GENE-) GENE SIGNAL.
(ALMA/) AL MAHMOOD S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 661
                                                                                                                                                                                                                         Best Local Similarity RESULT 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CASMAN S J.
CHAPOVAL A.
EDINGER S R.
GERLACH V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BURGESS C E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEKUDA R.
LEPLEY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GUNTHER E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GORMAN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                               (GENE/) GENE S. (ALMS/) AL M S.
                                                                                                                                                                                                                                                                                                                                                                                                                                    27-FEB-2004
                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (BOLD/)
(BURG/)
(CASM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MALY/)
RESULT 658
```

```
Best Local Similarity 43.4%; Pred. No. 4.4e-36; RESULT 649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-SEP-2004.
(NUVE-) NUVELO INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200171042-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         `
                   37.7%; Score 681.5; DB 5; Length 351; 50.7%; Pred. No. 4.4e-50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 8; Length 222;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 525.5; DB 4; Length 872;
Pred. No. 4.4e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29.1%; Score 525.5; DB 7; Length 872;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 29.2%; Score 527; DB 6; Length 234; Best Local Similarity 53.2%; Pred. No. 5.4e-37; RESULT 646
                                                                                                                                                                                                                                                                                                                    DB 6; Length 294;
                                                                                                                                                                    33.4%; Score 603; DB 4; Length 141; 86.6%; Pred. No. 7.5e-44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 256;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE08994 standard; protein; 872 AA.
Novel protein-related contig polypeptide sequence #60.
WO2003054152-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                             (ELLE) LILLY & CO ELI.

33.2%; Score 600; DB 6; trocal Similarity 45.0%; Pred. No. 3.6e-43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-APR-2004.
(FIVE-) FIVE PRIME THERAPEUTICS INC.
(FIVE-) FIVE PRIME THERAPEUTICS INC.
33.2%; Score 599.5; DB 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 527; DB 6;
Pred. No. 6.1e-37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 569.5; DB 4 
Pred. No. 5.2e-41;
                                                                                                                                                                                                                                                                                        Zelerlove..
Strin ) Lilly & CO Ell.
Ry Match
Frank Stmilarity 45.0%; Pred. No. 2e-43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE30269 standard; protein; 234 AA.
Human LP319b protein mature sequence #2.
WO200274906-A2.
                                                                      ABG13848 standard; protein; 141 AA.
Novel human diagnostic protein #13839.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABG13847 standard; protein; 130 AA.
Novel human diagnostic protein #13838.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human diagnostic protein #13807.
WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                      AAE30270 standard; protein; 286 AA.
Human LP319b protein variant #1.
WOC30274906-A2.
26-SEP-2002.
                                                                                                                                                                                                                       AAE30271 standard; protein; 294 AA.
Human LP319b protein variant #2.
WO200274906-A2.
26-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADP29917 standard; protein; 222 AA.
Human secreted protein SEQ ID #684.
WO2004035732-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE29927 standard; protein; 256 AA.
Human LP319b protein.
WO200274906-A2.
26-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABG13816 standard; protein; 872 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31.5%;
88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-SEP-2002.
(ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ELIL ) LILLY & CO ELI.
                                Best Local Similarity
RESULT 640
ID ABG13848 standard; pt
DE Novel human diagnosti
PN WOZOO175067-A2.
PD 11-0CT-2001.
PA (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                               Best Local Similarity RESULT 641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-JUL-2003.
(HYSE-) HYSEQ INC.
                                                                                                                             11-OCT-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match
                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
```

RESULT 644

RESULT 645

Query

```
16.1%; Score 290.5; DB 8; Length 2537; 29.8%; Pred. No. 3.5e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18.7%; Score 338.5; DB 4; Length 413; 28.0%; Pred. No. 2.1e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 297.5; DB 4; Length 333; Pred. No. 5.4e-17;
                                                                                                               Score 505; DB 6; Length 226;
Pred. No. 4e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                       26-SEP-2002.
(ELIL ) LILLY & CO ELI.
ery Match
16-18; Score 472; DB 6; Length 222;
st Local Similarity 54.18; Pred. No. 2.8e-32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16.9%; Score 306; DB 4; Length 545; 28.9%; Pred. No. 2e-17;
                                                                                                                                                                                                                                                                                                       Score 472; DB 6; Length 211;
Pred. No. 2.6e-32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 241;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18.4%; Score 333; DB 4; Length 315; 31.9%; Pred. No. 4.4e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABB65642 standard; protein; 315 AA.
Drosophila melanogaster polypeptide SEQ ID NO 23718.
W0200171042-A2.
7-SEP-2001.
(PEKE ) PE CORP NY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB69485 standard; protein; 413 AA.
Drosophila melanogaster polypeptide SEQ ID NO 35247.
WO200171042-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABB62574 standard; protein; 545 AA.
Drosophila melanogaster polypeptide SEQ ID NO 14514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABBS8947 standard; protein; 333 AA.
Drosophila melanogaster polypeptide SEQ ID NO 3633.
WO200171042-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 472; DB 6;
Pred. No. 3.1e-32;
                                                                                                                                                                                                                                                                                                                                           RESULT 651
ID AAE30265 standard; protein; 222 AA.
DE Human Lejja protein mature sequence #2.
PN WO200274906-A2.
                                                                                                                                                                                      AAE30264 standard; protein; 211 AA.
Human LP319a protein mature sequence #1
WO200274906-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADS10483 standard, protein, 2537 AA.
Human therapeutic protein - SEQ ID 720.
WO2004080148-A2.
AAB30268 standard; protein; 226 AA.
Human LP319b protein mature sequence
WO200274906-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE29926 standard; protein; 241 AA.
Human LP319a protein.
WOC00274906-A2.
26-SEP-2002.
                                                                                                                                                                                                                                          WOZUCZ.
26-SEP-2002.
(ELIL ) LILLY & CO ELI.
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.1%;
54.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16.5%;
29.7%;
                                                                      PD 26-SEP-2002.

PA (ELIL ) LILLY & CO ELI.

QUETY MATCh 28.0%;

Best Local Similarity 53.0%;

RESULT 650
```

```
Score 720.5; DB 5; Length 281; Pred. No. 1.4e-53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 38.1%; Score 687.5; DB 8; Length 253;
Local Similarity 55.6%; Pred. No. 8.5e-51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Length 281;
                                  / Match 40.2%; Score 726; DB 5; Length 336; Local Similarity 50.5%; Pred. No. 6e-54;
                                                                                                                                                                                                                                                                                                                                                     / Match 39.9%; Score 721; DB 8; Length 336; Local Similarity 50.5%; Pred. No. 1.6e-53;
                                                                                                                                                                                              Length 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU84385 standard; protein; 351 AA.
Novel 'human secreted or membrane-associated protein #24.
W0200204600-A2.
17-JAN-2002.
                                                                                                                                                                                                                                     אס אסנים standard; protein; 336 AA.
Human protein of the invention NOVIIl SEQ ID NO:304
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH71392 standard; protein; 253 AA.
Human protein of the invention NOV11d SEQ ID NO:288.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39.9%; Score 720.5; DB 4 50.4%; Pred. No. 1.4e-53;
                                                                                                                                                                                          Query Match 39.9%; Score 721; DB 5; Best Local Similarity 50.5%; Pred. No. 1.6e-53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 712; DB 7;
Pred. No. 9.7e-53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABP66840 standard; protein; 281 AA.
Human polypeptide SEQ ID NO 561.
US2002090672-A1.
                                                                                                                                                                                                                                                                                                                                                                                                             ABB10253 standard; protein; 281 AA.
Human cDNA SEQ ID NO: 561.
WO200154474-A2.
                                                                                             ABG94639 standard; protein; 336 AA. Human NOV5d protein. WO200266643-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL35983 standard; protein; 336 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SMIK ) SMITHKLINE BEECHAM CORP. (SMIK ) SMITHKLINE BEECHAM PLC. (GLAX ) GLAXO GROUP LTD.
(GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-AUG-2001.
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          39.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 39.4%;
Local Similarity 50.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NOVX polypeptide #14
US2003207800-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MALYANKAR U M.
SHENOY S G.
SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GANGOLLI E A.
SHIMKETS R A.
TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                      29-AUG-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                              11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ROSE/) ROSEN C A.
(RUBE/) RUBEN S M.
(BARA/) BARASH S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (LILL/) LI L.
(PADI/) PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KEKUDA R.
                                                                                                                                                                                                                                                                                                                                                       Query Match
                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PATT/)
(GUOX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (KEKU/)
(GANG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SHIM/)
(TAUP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ZERH/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Edery Match

Best Local Similarity 54.1%; Score 752.5; DB 6; Length 291;

BESULT 630

ID AAE30255 standard; protein; 292 AA.

PN W0200274906-A2.

PD 26-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PA (ELIL) LILLY & CO ELI.
Query Match 41.7%; Score 752.5; DB 6; Length 284;
Best Local Similarity 54.1%; Pred. No. 2.5e-56;
RESULT 629
                                                                                                                                                                                                                                                                                                                            ADP29916 standard; protein; 278 AA.

Human secreted protein SEQ ID #683.

M02004035732-A2.

29-APR-2004.

(FIVE.) FIVE PRIME THERAPEUTICS INC.

ery Match

41.7%; Score 752.5; DB 8; Length 278;

st Local Similarity 54.1%; Pred. No. 2.4e-56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      query Match
Best Local Similarity 54.1%; Score 752.5; DB 6; Length 292;
RESULT 631
                                                                                                                                                                                                                                                         Query Match 41.9%; Score 757; DB 8; Length 336; Best Local Similarity 50.3%; Pred. No. 1.3e-56; RESULT 627
                                                                                                                 Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 305;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU84186 standard; protein; 336 AA.
Novel human secreted or membrane-associated protein #25.
WQ200204600-A2.
                  ADH71404 standard; protein; 319 AA.
Human protein of the invention NOV11j SEQ ID NO:300.
WO2003102155-A2.
                                                                                                                                                                    ADH71420 standard; protein; 336 AA.
Human protein of the invention NOV11r SEQ ID NO:316.
W02003102155-A2.
(CURA-) CURAGEN CORP.
                                                                                                     Query Match Carlotter 41.9%; Score 757; DB 8; Best Local Similarity 52.5%; Pred. No. 1.2e-56; RESULT 626

BE SULT 626

BE Human protein of the invention NOV11r SEQ ID NO. PN W02003105155-A2.
PD 11-DEC-2003.
PD (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                40.3%; Score 727; DB 7; 51.8%; Pred. No. 4.3e-54;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE30254 standard; protein; 284 AA.
Human LP289 mature protein #3.
WO200274906-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL35981 standard; protein; 305 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-JAN-2002.
(SMIK ) SMITHKLINE BEECHAM CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human NOVX polypeptide #13.
US2003207800-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MALYANKAR U M.
SHENOY S G.
SPYTEK K A.
ZERHUSEN B D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GANGOLLI E A.
SHIMKETS R A.
TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
RESULT 628
ID AAE30254 standard; pr
DE Human LP289 mature pr
PN WO2002749906-A2.
PD 26-SEP-2002.
PA (ELIL ) LILLY & CO EL
                                                                           11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GUO X.
KEKUDA R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (TAUP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Matherstrain Best Loca
RESULT 632
ID AAU843
DE Novel PPD 17-JAN
PD 17-JAN
  RESULT 625
```

Length 336;

```
Human NOVX polypeptide #12.
                              Length 307;
                                                                                                                                                                                                                                                                             Length 309;
                                                                                                                                                                                                                                                                                                                                                                                                         Length 314;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vuery Match
Best Local Similarity 52.5%; Pred. No. 5.3e-57;
RESULT 614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42.1%; Score 761; DB 7; Length 319; 52.5%; Pred. No. 5.4e-57;
                                                                                                                                                      Length 309;
                                                                           ADH71410 standard; protein; 309 AA.
Human protein of the invention NOV11m SEQ ID NO:306.
WO2003102155-A2.
                                                                                                                                                                                                   ADH71406 standard; protein; 309 AA.
Human protein of the invention NOV11k SEQ ID NO:302
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH71394 standard; protein; 315 AA.
Human protein of the invention NOV11e SEQ ID NO:290.
WO2003102155-A2.
                                42.1%; Score 761; DB 8; 52.5%; Pred. No. 5.1e-57;
                                                                                                                                                      42.1%; Score 761; DB 8; 52.5%; Pred. No. 5.1e-57;
                                                                                                                                                                                                                                                                               42.1%; Score 761; DB 8; 52.5%; Pred. No. 5.1e-57;
                                                                                                                                                                                                                                                                                                                                                                                                     / Match
Local Similarity 52.5%; Pred. No. 5.3e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 761; DB 5;
Pred. No. 5.4e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 761; DB 5;
Pred. No. 5.4e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL35977 standard; protein; 319 AA.
Human NOVX polypeptide #11.
US2003207800-A1.
                                                                                                                                                                                                                                                                                                                          AAE30253 standard; protein; 314 AA.
Human LP289 mature protein #2.
WO200274906-A2.
26-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABG94637 standard; protein; 319 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABG94636 standard; protein; 319 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL35979 standard; protein; 319 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 52.5%;
RESULT 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                / Match 42.1%;
Local Similarity 52.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MALY/) MALYANKAR U M.
(SHEN/) SHENOY S G.
(SPYT/) SPYTEK K A.
(ZERH/) ZERHUSEN B D.
(PATT/) PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                          (ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GUO X.
KEKUDA R.
GANGOLLI E A.
SHIMKETS R A.
TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-AUG-2002.
(CURA-) CURAGEN CORP.
                (CURA-) CURAGEN CORP.
                                                                                                                      11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-AUG-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                         Best Local Similarity RESULT 610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human NOV5b protein.
WO200266643-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NOV5a protein.
WO200266643-A2.
                                                                                                                                                                  Best Local Similarity RESULT 611
                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PADIGARU M.
 11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                Query Match
                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SHEN/)
(SPYT/)
(ZERH/)
(PATT/)
(GUOX/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
Best 1
```

```
Query Match
Best Local Similarity 52.5%; Pred. No. 5.4e-57;
RESULT 618
ID ADH71400 standard; protein; 319 AA.
DE Human protein of the invention NOV11h SEQ ID NO:296.
PD 11-DEC-2003.
PD 11-DEC-2003.
PD 11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vuery Match 42.1%; Score 760; DB 8; Length 336;
Best Local Similarity 50.6%; Pred. No. 7e-57;
RESULT 623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 757; DB 5; Length 307;
Pred. No. 1.1e-56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 760; DB 8; Length 336;
Pred. No. 7e-57;
                                                                                                                                                                                                                                                                                                                                                                                 Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 320;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH71386 standard; protein; 336 AA.

Human protein of the invention NOV11a SEQ ID NO:282.
WQ2003102155-A2.
(L1-DEC-2003).
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM71422 standard; protein; 336 AA.
Human protein of the invention NOV11s SEQ ID NO:318.
WO200310215-A2.
11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH71396 standard, protein; 319 AA.

Human protein of the invention NOV11f SEQ ID NO:292.

MO2003102155-A2.

11-DEC-2003.

(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH71416 standard; protein; 320 AA.
Human protein of the invention NOV11p SEQ ID NO:312.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH71398 standard, protein; 325 AA.
Human protein of the invention NOV11g SEQ ID NO:294
MOX003102155-A2.
11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                     vuery Match
42.1%; Score 761; DB 8;
Best Local Similarity 52.5%; Pred. No. 5.4e-57;
RESULT 619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 52.5%; Pred. No. 5.4e-57;
RESULT 621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     42.1%; Score 761; DB 8; 52.5%; Pred. No. 5.4e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 42.1%; Score 761; DB 8;
Best Local Similarity 52.5%; Pred. No. 5.5e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABG94638 standard; protein; 307 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 50.6%;
RESULT 624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    41.9%;
MALYANKAR U M.
SHENOY S G.
SPYTEK K A.
ZERHUSEN B D.
PATTURAJAN M.
                                                                                                                                 GANGOLLI E A.
SHIMKETS R A.
TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-AUG-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human NOV5c protein.
WO200266643-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 620
                                                                                                                                                                                          (LILL/) LI L.
(PADI/) PADIGARU M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                              GUO X.
KEKUDA R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
 (MALY/)
                                                                                                                                 (GANG/)
(SHIM/)
(TAUP/)
                                       (SPYT/)
(ZERH/)
                                                                              (PATT/)
(GUOX/)
```

us-09-978-544a-523.rag.spdi

```
WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 252;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 45.1%; Score 815; DB 8; Length 352; Best Local Similarity 47.5%; Pred. No. 1.3e-61; RESULT 599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 352;
                                                               Length 352;
                                                                                                                                                                                                                                                                                                                                      Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.1%; Score 815; DB 8; Length 352; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 352;
                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ery Match
44.1%; Score 796.5; DB 2;
or Innal Similarity 56.9%; Pred. No. 3.4e-60;
                                                                 Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                    Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                      Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 47.5%; Pred. No. 1.3e-61
RESULT 594
ID ADG51409 standard; protein; 352 AA.
DE Human secreted/transmembrane protein, PRO4993.
PN US2004005312-A1.
PD 08-JAN-2004.
PA (GETH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG5953 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2004005657-A1.
GEJAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                   ADG48913 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003216560-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG62809 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2004006219-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM17611 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2004048332-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL07445 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2004063921-A1.
Human secreted/transmembrane protein, PRO4993
                                                                                                                               Human secreted/transmembrane protein, PRO4993 US2003216305-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW05168 standard; protein; 252 AA.
Rat LAMP residues 46-294.
                                                                                                               ADG49537 standard; protein; 352 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW05167 standard; protein; 252 AA
                                                                                                                                                                                                                                                                                    45.1%;
                                                                                                                                                                                                   45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human LAMP residues 46-294 WO9630052-A1.
                                                                                                                                                               20-NOV-2003.
(GETH ) GENENTECH INC.
                              20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-APR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
Best Local Similarity
RESULT 597
                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 595
                                                                          Best Local Similarity
RESULT 592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                        PPREE
```

```
03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ery Match 44.0%; Score 795.5; DB 2; Length 252;
ort Toral Similarity 56.9%; Pred. No. 4.1e-60;
                                                                                                                                                                               Length 336;
                                                                                                                                                                                                                                                                                                                          Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 336;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 306;
                                                                                                                                                                                                                                                                                                                                                             Human protein of the invention NOV11q SEQ ID NO:314. W02003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human protein, 336 AA.
Human protein of the invention NOV110 SEQ ID NO:310.
11-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -DF1112 standard; protein; 336 AA.
Human protein of the invention NOV11n SEQ ID NO:308-WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH71388 standard; protein; 344 AA.
Human protein of the invention NOV11b SEQ ID NO:284.
WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH71390 standard; protein; 325 AA, Human protein of the invention NOV11c SEQ ID NO:286. WO2003102155-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH71402 standard; protein; 307 AA.
Human protein of the invention NOV11i SEQ ID NO:298.
WO2003102155-A2.
                                                                        Human immunoglobulin superfamily protein IGSFP-9. W0200272794-A2.
                                                                                                                                 PD 19-SEP-2002.

PA (INCY-) INCYTE GENOMICS INC.

Query March

Best Local Similarity 50.6%; Pred. No. 3.9e-57;

RESULT 602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 762; DB 8;
Pred. No. 4.5e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 761; DB 6;
Pred. No. 5.1e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 763; DB 8;
Pred. No. 3.9e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 763; DB 8;
Pred. No. 3.9e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .,
8)
                                                                                                                                                                                                                                                                                                                        Score 763; DB 6;
Pred. No. 3.9e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 763; DB 8;
Pred. No. 3.9e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 763; DB 8
Pred. No. 4e-57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE30252 standard; protein; 306 AA. Human LP289 mature protein #1. W0200274906-A2. 26-SEP-2002. (ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                   protein; 336 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          42.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 50.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 42.2%;
Best Local Similarity 50.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 42.1%;
Local Similarity 52.5%;
                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 50.6%;
                                                                                                                                                                                                                                                  Human LP289 protein.
WO200274906-A2.
26-SEP-2002.
(ELIL ) LILLY & CO ELI.
                                                                                                                                                                                                                                                                                                                                                                                                                                  11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-DEC-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CURA-) CURAGEN CORP.
                                                   Best Local Similarity RESULT 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best_Local Similarity
RESULT 604
                                                                                                                                                                                                                                   AAE29924 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                           RESULT 603
```

PA PA PA PA PA PA

```
ADF28033 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003199437-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-NOV-2003
                                                                                            Query Match
                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                                                                                                                               Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 815; DB 8; Length 352;
Pred. No. 1.3e-61;
                                                                                                            Length 352;
                                                                                                                                                                                                                                              Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 352;
                                                                                                        45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                        PD 16-OCT-2003.
PA (GETH ) CENENTECH INC.
Query Match
Best Local Similarity 47.5%; Pred. No. 1.3e-61;
RESULT 575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45.1%; Score 815; DB 8; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                               Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                             ADF46175 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003195148-A1.
GECT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF24571 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003204055-A1.
30-CCT-2003.
                                                                                                                                                                                                                                                                                            ADF40179 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003198994-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADF41003 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003199021-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADF23947 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003203402-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF33930 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003194780-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADF27397 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003199436-A1.
                                                                                                                                                                       Human secreted/transmembrane protein, PRO4993
US2003195345-A1
                                                                                                                                                       ADF61687 standard; protein; 352 AA
                                                                                                                                                                                                                                                                                                                           US2001250.
23-OCT-2003.
(GETH ) GENENTECH INC.
45.1%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         JA-A1.

2003.

21H ) GENENTECH II.

Lery Match
Best Local Similarity 4
RESULT 577
ID ADF-4571 standar
DE Human secretion W US200326
PD 30-6
                    (SHEL/) SHELTON D L.
(STEW/) STEWART T A.
(TUMA/) TUMAS D.
(WILL/) WILLIAMS P M.
(WOOD/) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENENTECH INC.
                                                                                                      Query Match
Best Local Similarity
RESULT 574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 581
                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-OCT-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-OCT-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P P P P P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BBBBB
```

```
Length 352;
                               Length 352;
                                                                                                                                                              Length 352;
                                                                                                                                                                                                                                                                                          Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                      Length 352,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 45.1%; Score 815; DB 8; Best Local Similarity 47.5%; Pred. No. 1.3e-61; RESULT 587
                               Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                             Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                          Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                      Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 815; DB 8;
Pred. No. 1.3e-61
                                                               Human secreted/transmembrane protein, PRO4993. US200199435-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JAPE26773 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003199674-A1.
                                                                                                                                                                                                          ADF33306 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003211091-A1.
                                                                                                                                                                                                                                                                                                                                       ADF25672 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003211092-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF34562 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003194410-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADF46799 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003195344-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG50785 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003207803-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG50161 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003215905-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003...
16-0CT-2003.
(GETH ) GENENTECH INC. 45.1%; S/
                                                                                                                                                                                                                                                                                                                                                                           US2005.
13-NOV-2003.
(GETH ) GENENTECH INC.
Match 13-rity 45.1%;
                               45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 47.5%;
RESULT 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45.18;
                                                                                                                                                             45.1%;
                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 47.5%;
RESULT 585
                                                                                                                             23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                         13-NOV-2003.
(GETH ) GENENTECH INC.
23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENENTECH INC.
                                         Best Local Similarity RESULT 583
                                                                                                                                                                       Best Local Similarity
RESULT 584
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
```

us-09-978-544a-523.rag.spdi

```
GIRM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FONG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GAOW/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GURN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAPI
                                                                                                                                                                                                              1/-AFK-2003.
(GETH ) GENENTECH INC.
iry Match
45.1%; Score 815; DB 7; Length 352;
ir Local Similarity 47.5%; Pred. No. 1.3e-61;
                                                                                                  Length 352;
                                                                                                                                                                                                                                                                                                                                                                               Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 815; DB 7; Length 352;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 815; DB 7; Length 352; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                  Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                              Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 815; DB 7;
Pred. No. 1.3e-61;
              ADC41653 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003072745-A1.
                                                                                                                                                                                                                                                                                           ADC62644 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003073624-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE49646 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US200306744-Al.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                   ADC67708 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
                                                                                                                                                                                                                                                                                                                                                                                                                                ADC42277 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003104998-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE16814 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003203435-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD73429 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003203436-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD72787 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003194781-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human secreted/transmembrane protein, PRO4993 US2003203434-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE35700 standard; protein; 352 AA
                                              US20030.2.
17-APR-2003.
(GETH ) GENENTECH INC.
45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003203.
30-OCT-2003.
(GETH ) GENENTECH INC.
45.1%;
                                                                                                                                                                                                                                                                                                                                                                              45.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 45.1%;
Best Local Similarity 47.5%;
RESULT 565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                            17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 563
ID ADB35700 standard; pr
DE Human secreted/transm
PN US2003203434-A1.
PD 30-OCT-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 566
                                                                                                               Best Local Similarity RESULT 559
                                                                                                                                                                                                                                                     Best Local Similarity RESULT 560
                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 567
                                                                                                                                                                                     US2003073131-A1.
                                                                                                    Query Match
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
RESULT 558
```

```
Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 352;
                                                                                  Length 352;
                                                                                                                                                                                                                     Length 352;
                                                                                                                                                                                                                                                                                                                                                     / Match 45.1%; Score 815; DB 7; Local Similarity 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                   Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 815; DB 8;
Pred. No. 1.3e-61;
                                                                                Score 815; DB 7;
Pred. No. 1.3e-61;
ADE17438 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003203433-A1.
                                                                                                                               ADF47452 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003195333-A1.
                                                                                                                                                                                                                                                                  ADG52209 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003216561-A1.
                                                                                                                                                                                                                                                                                                                                                                                                      ADG60529 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
UG-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI61289 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003077700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE48946 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993
US2003104536-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted/transmembrane protein, PRO4993. US2003131181-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                         S200320...
J6-NOV-2003.
(GETH ) GENENTECH INC.
45.1%;
47.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.1%;
                                               30-OCT-2003.

A (GETH) GENENTECH INC.

Query Match 45.1%;

Best Local Similarity 47.5%;
                                                                                                                                                                                    16-OCT-2003.

(GETH) GENENTECH INC.
Query Match
Best Local Similarity 47.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 45.1%;
Local Similarity 47.5%;
                                                                                                                                                                                                                                                                                                                   20-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GERBER H.
GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ASHKENAZI A J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EATON D L.
FERRARA N.
FILVAROFF E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GODOWSKI P J. GIRMALDI J C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HILLAN K J.
KLJAVIN I J.
KUO S S.
NAPIER M A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DESNOYERS L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BAKER K P.
BOTSTEIN D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GURNEY A L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PAN J.
PAONI N F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FONG S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAO W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003
                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PANJ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ASHK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BAKE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FERR/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DESN/)
```

```
Best Local Similarity 47.5%; Pred. No. 1.3e-61;
RESULT 549
                                          ADB74118 standard; protein; 352 AA.
Human PRO polypeptide #91.
US2003045462-A1.
                                                                                           06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                        20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                          Query Match
Best Local Similarity
RESULT 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 556
                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 352;
                              Length 352;
                                                                                                                                                             Length 352;
                                                                                                                                                                                                                                                                                            Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 352;
                                                                                                                                                                                                         ABU72283 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO4993.
US2002192706.A1.
19-DEC-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     D ABO19623 standard; protein; 352 AA.

Novel human secreted and transmembrane polypeptide #91.

N US2003049633-A1.

D 13-MAR-2003.

Query Match
                                                                   ADA25150 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO4993
US2003050241-A1.
13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO19732 standard; protein; 352 AA.
Novel human secreted and transmembrane protein PRO4993.
US2003050240-A1.
                                                                                                                                                                                                                                                                                                                                        ABU009489 standard; protein; 352 AA.
Human secreted and transmembrane PRO polypeptide #39.
US2002177553-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane polypeptide PRO4993.
US2003055216-A1.
                            Score 815; DB 3;
Pred. No. 1.3e-61;
                                                                                                                                                             45.1%; Score 815; DB 6; 47.5%; Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                           Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABU80430 standard; protein; 352 AA.
Human secreted/transmembrane protein PRO4993.
US2003004102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABUG1161 standard; protein; 352 AA.
Human PRO4993 polypeptide.
US2002169284-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA12812 standard; protein; 352 AA
                            45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                        45.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.18;
                                                                                                                                                                                                                                                                                           45.1%;
                                                                                                                             13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-JAN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                           28-NOV-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-NOV-2002.
(GETH ) GENENTECH INC.
             (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 542
ID ABU09489 standard; pr
DE Human secreted and tr
PN US2002177553-A1.
PD 28-NOV-2002.
PA (GETH ) GENENTECH INC
                         Query Match
Best Local Similarity
RESULT 540
ID AB022377 standard; px
DE Novel human:secreted
PN US2030360239-A1.
PD 13-MAR-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                         Best Local Similarity
RESULT 541
                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                             Ouery Match
                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
```

A B S E E

A D D D D

A D D E D

BESE

BEREE

PNE

```
Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 352;
                                                                                                                                      Length 352;
                                                                                                                                                                                                                                                                              Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                    Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                Score 815; DB 7;
Pred. No. 1.3e-61;
Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                    Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                          Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 815; DB 7;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                                            ADC62020 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003049684-A1.
JMRR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC63984 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993.
US2003054405-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC68333 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993
US2003069178-A1.
                                                                                                                                                                               ADC44260 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993
US2003054986-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC67084 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993
US2003060406-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .r 555
ADC69208 standard; protein; 352 AA.
Manan secreted/transmembrane protein, PRO4993
US2003064407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC63268 standard; protein; 352 AA.
Human secreted/transmembrane protein, PRO4993
US2003068648-A1.
                                                  ADB76834 standard; protein; 352 AA.
Human PRO polypeptide #91.
US2003083248-A1.
                                                                                       USZUCSU.
01-WAY-2003.
(GETH ) GENENTECH INC.
"MAtCh 'larity 45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.18;
                                                                                                                                                                                                                                                                            45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                  45.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.1%;
47.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       45.1%;
 45.1%;
47.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Est Local Similarity 47.5%;
RESULT 554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.1%;
```

```
uery Match
45.6%; Score 823; DB 8; Length 354;
Best Local Similarity 47.9%; Pred. No. 2.8e-62;
RESULT 529
ID ADH69562 standard; protein; 354 AA.
PN US2004019183-A1.
PN 29-JAN-ZOA.
                                Length 354;
                                                                                                                                                              Length 354;
                                                                                                                                                                                                                                                                                              Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 354;
                                                                                                                                                                                                     ADF94468 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
22-MAY-2003.
GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG33998 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2004006206.A1.
08-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADH38908 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003096965-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADI29723 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003096961-Al.
22-MAY-2003
                                                                       Novel human secreted and transmembrane protein PRO6004 US2003096963-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG63659 standard; protein; 354 AA.
Human secreted/transmembrane polypeptide PRO6004.
US2003180796-A1.
                                Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                   uuery Match
Best Local Similarity 47.9%; Pred. No. 2.8e-62;
RESULT 524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                              Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                          ADG06564 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003096966-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                            45.6%;
                         Best Local Similarity 47.9%;
RESULT 522
                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             47.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-2003.
(GETH ) GENENTECH INC.
             GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 527
                                                                                                                                                                        Best Local Similarity
RESULT 523
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 530
22-MAY-2003
(GETH ) GEN
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
D ADS82050 standard; protein; 354 AA.

Human cancer-associated protein #5.

N W02004035789-A1.

D 29-APR-2004.

A (GLDS ) LG LIFE SCI LTD.

Query Match
Best Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                    Length 354;
                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.4%; Score 820; DB 7; Length 354; 47.9%; Pred. No. 5e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                  Length 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 348;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 348;
                                                                  ADM27120 standard; protein; 354 AA. Novel human secreted and transmembrane protein PRO6004 US2004044179-A1.
                45.6%; Score 823; DB 8;
47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 822; DB 5;
Pred. No. 3.4e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                                                                                                                                                                    Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 815; DB 6;
Pred. No. 1.3e-61;
                                                                                                                                                           Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 819; DB 5;
Pred. No. 6.1e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Aubequil standard; protein; 354 AA.
Human protein encoded by clone OCBBF20110210.
EP1308459-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB44331 standard; protein; 352 AA.
Human PRO4993 protein sequence SEQ ID NO:612.
WO200053756-A2.
14-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABJ20234 standard; protein; 348 AA.
Human IG gene related protein SEQ ID No 57.
WO200299040-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human IG gene related protein; 348 AA.
Human IG gene related protein SEQ ID No 56.
12-DEC-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB98407 standard; protein; 354 AA. Human NOV6, KILON-like protein. WO200255704-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABP53581 standard; protein; 354 AA.
Human NOV12b protein SEQ ID NO:26.
WO200262999-A2.
                                                                                                                                                                                                             protein; 354 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-MAY-2003.
(HELI-) HELIX RES INST.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                    45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 47.9%;
RESULT 535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 47.5%;
RESULT 538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      45.1%;
                                                                                                                               PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 47.9%;
RESULT 532
                                 47.98;
                                                                                                                                                                                                           ADK66478 standard; protein
Human PRO polypeptide #1.
US2004044180-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                   04-MAR-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-JUL-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-AUG-2002.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-DEC-2002. (EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EXEL-) EXELIXIS INC.
                               Best Local Similarity RESULT 531
                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                      04-MAR-2004
                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
```

```
45.6%;
                                               45.6%;
                                                                                                                                                                                                                                                                                                               45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%;
                                                                                                                                                                             Query Match 45.6%;
Best Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO polypeptide #1.
US2003096962-A1.
                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-2003.
(GETH ) GENENTECH INC.
                 29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match
Local Similarity
US2003100725-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                  Best Loca
RESULT 513
                                                                                                                                                                                                                 RESULT 514
                                                                                                                                                                                                                                                                                                                                   Best Lock
RESULT 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
RESULT 517
                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 354;
                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                   Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD66507 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100719-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD77975 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003100731-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD77483 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003100729-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD//729 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004 (US200100730-A1.
 Novel human secreted and transmembrane protein PRO6004
                                                                                                                                                                                                                                                                                                                                                                              ADD76739 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003100715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD85187 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE41225 standard; protein; 354 AA.
Human secreted/transmembrane polypeptide PRO6004.
US2003104558-A1.
OS-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                      vuery Match 45.6%; Score 823; DB 8;
Best Local Similarity 47.9%; Pred. No. 2.8e-62;
RESULT 505
                                                                45:6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                 Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                             ADE04982 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003100726-A1.
                                                                                                                                                                                                                                                ADD75195 standard; protein; 354 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 47.9%; Pr
RESULT 507
ID ADD86507 standard; protein; 354
DE Novel human secreted and transme
PN US2003100719-A1.
PD 29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              45.6%;
                                                                                                                                                                                                                                                                                                                           Best Local Similarity 47.9%;
RESULT 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 45.6%;
Best Local Similarity 47.9%;
RESULT 508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                47.98;
                                                                                                                                                                                                                                                               Human PRO polypeptide #1
US2003100714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cted/tr

J04558-A1.

JUN-2003.

(GETH) GENENTECH IN.

Query Match

BEST Local Similarity 4.

RESULT 509

ID ADD77975 standar

PE Novel human

PD 29-V.
                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                 29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2003.
2003.
2003.
21.Al.
21.M | GENENTECH 1.
21.Y Match
Best Local Similarity **
RESULT 510
ID ADD77483 stand*
DE Novel humar
PN US20031*
PD 29-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-MAY-2003.
(GETH ) GENENTECH INC.
                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 512
ID ADD85187 standard;
DE Novel human secrete
                                                                            Best Local Similarity
RESULT 504
                 US2003100721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-MAY-2003
                                  29-MAY-2003
                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
```

AD MED

```
Score 823; DB 8; Length 354;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 354;
Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 354;
                                                                                                                                                                                                                                                                                                               Length 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG11132 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003096967-A1.
                                                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO6004.
US2003100716-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD85679 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003100720-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AUGUSTIS Standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003196959-A1.
Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                               Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #1.
                                                      ADD73719 standard; protein; 354 AA. Human PRO polypeptide #1. US2003100710-A1. C29-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD74703 standard, protein; 354 AA.
Human PRO polypeptide #1.
US2003100724-A1.
                                                                                                                                                                                                             ADD74457 standard; protein; 354 AA. Human PRO polypeptide #1. US2003100713-A1. C29-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG27069 standard; protein; 354 AA
```

```
RESULT 501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loc
RESULT 503
                                                                                                                                                                                                                               Score 823; DB 8; Length 354;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 823; DB 8; Length 354;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 8; Length 354;
Pred. No. 2.8e-62;
                                                                                            Length 354;
                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 354;
            ADE20876 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100735-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE20630 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                             ADD75695 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE38927 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003096362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD86753 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003100738-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD84927 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US200310072-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                           Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                         Best Local Similarity 47.9%; Pred.
RESULT 486
ID ADE05720 standard; protein; 354 AA.
PN US2003100728-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                              ADD74949 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003100712-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE05474 standard, protein, 354 AA. Human PRO polypeptide #1. US2003100727-A1. 29-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ...aard; protein,
...uan secreted and tr.
22-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Macch
Best Local Similarity 47.9%; Pre
RESULT 493
ID ADE05474 standard; pro-
PN US200310077*
PA
                                                   US400-2

99-MAY-2003.

(GETH ) GENENTECH INC.

45.6%;
                                                                                                                                                                                                                              45.6%;
                                                                                                                                                                                                                                                                                                                                                             45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 47.9%;
RESULT 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 494
                                                                                                                                                                                                                                        Best Local Similarity RESULT 487
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
Best Local Similarity
RESULT 491
                                                                                            Query Match
                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                              RESULT 488
RESULT 485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 489
                                                                                                                                                                                                                                                                                                                                                                                                                  ü
```

```
Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 8; Length 354;
Pred. No. 2.8e-62;
                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 354;
                                                                                                                                                                                                               Length 354
                                                                                                                              ADD78299 standard, protein, 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100737-A1.
                                                                                                                                                                                                                                                            ADE21122 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100736-A1.
                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO6004.
US2003100732-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADE20384 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100733-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD75941 standard, protein, 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003100718-A1.
                                                                                Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                45.6%; Score 823; DB 8; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB B;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                 Score 823; DB 8;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 823; DB 8;
Pred. No. 2.8e-62;
ADD73459 standard, protein; 354 AA.
Human PRO polypeptide #1.
US2003100711-A1.
29-MAY-2003
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD75449 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003100064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD85433 standard; protein; 354 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein; 354 AA
                                                                                                                                                                   /S2003100
29-MAY-2003.
(GETH ) GENENTECH INC.
45.6‡;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Watch 45.6%;
Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-MAY-2003.
(GETH ) GENENTECH INC.
ery Match 45.6%;
st Local Similarity 47.9%;
                                                                                Query Match
Best Local Similarity 47.9%;
RESULT 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 45.6%;
Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide #1.
US2003100709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                           Best Local Similarity
RESULT 496
                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD74211 standard;
                                                                                                                                                                                                                                                                                                                 29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
```

47.9%; Pred. No. 2.8e-62

Best Local Similarity RESULT 476

```
Length 354;
                                                                                                                                                                                                                                                                                Score 823; DB 7; Length 354;
Pred. No. 2.8e-62;
                                                                                                                                         Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                      Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 354
                                            ADB72893 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
15-803092887-A1.
15-8AY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC49752 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003088064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC49468 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003088071-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC47074 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003105288-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AbC77949 standard; protein; 354 AA.

Novel human secreted and transmembrane protein PRO6004.
US2003096972-A1.
22-MAY-2003.
(GETH ) GENENTECH INC.
6ETH ) GENENTECH INC.
45.6%; Score 823; DB 7; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC47329 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003088072-A1.
08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC48951 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003088070-A1.
(GB-MAY-2003.
(GETH ) GENENTECH INC.
45.6%; Score 823; DB 7; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                        Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                    45.6%; Score 823; DB 7;
47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%; Score 823; DB 7;
47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                      ADC36731 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003088065-A1.
G8-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                              ADC21721 standard; protein; 354 AA.
Human PRO polypeptide #1.
US200309696969-A1.
C2-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                            45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45.6%;
                                                                                                                                        45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 47.9%;
RESULT 473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 47.9%;
RESULT 475
                                                                                                                                                                                                                   Jo-Al.

2003.

2003.

Zry Match

Best Local Similarity 4
RESULT 469
ID ADC21721 standa-
DE Human PRO r
PP US2030.
PP 22-7
                                                                            2003.

2003.

21 AA1.

2003.

21Y Match

Best Local Similarity ARESULT 468

ID ADC36731 stand*

DE Human PRO TO PN US2003**

PD 08.*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-MAY-2003.
(GETH ) GENENTECH INC
            Best Local Similarity
RESULT 467
ID ADB72893 standard; pr
DE Novel human secreted
PN US2003092887-A1.
PD 15-MAY-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 472
                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BESE
```

```
Length 354;
                                                                                       Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45.6%; Score 823; DB 8; Length 354; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354;
                                                                                                                                                                                                                             Length 354
                                                                                                                                                                                                                                                                                                                                                                   Length 354
ADD06184 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003073816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ماسریه standard; protein; 354 AA.
Wovel human secreted and transmembrane protein PRO6004.
WS2003992888-A1.
                                                                                                                                       ADC77703 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003088066-Al.
                                                                                                                                                                                                                                                                            ADD50666 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003105291-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD51158 standard; protein; 354 AA.
Novel human secreted and transmembrane protein FRO6004
US2003105289-A1.
05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                    ADD50912 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vuery Match
Best Local Similarity 47.9%; Score 823; DB 7; Len
RESULT 483
ID AD663811 standard; protein; 354 AA.
DE Human secreted/transmembrance
PD 11-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane polypeptide PRO6004
US2003170721-A1.
11-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                         Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                             Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                  Match 45.6%; Score 823; DB 7;
Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD50393 standard; protein; 354 AA.
Human PRO polypeptide #1.
US2003096971-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD50147 standard; protein; 354 AA. Human PRO polypeptide #1. US2003096970-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      US200310-2--
05-UNA-2003.
(GETH ) GENENTECH INC.
45.6%; S
                                       USZUCJU
OB-MAY-2003.
(GETH ) GENENTECH INC.
March '55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 47.9%;
RESULT 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                     Query Match
Best Local Similarity
RESULT 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

Length 354

Length 354;

```
ADD 13139 Standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
902.00396968-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                               Novel human secreted and transmembrane protein PRO6004. US20092889-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB77975 standard, protein, 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003092886-A1.
                                                 Novel human secreted and transmembrane protein PRO6004 US2003073814-Al.
                                                                                                                                                                                    ADB00598 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003088068-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB83738 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2023069397-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 7;
Pred. No. 2.8e-62;
                Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                    Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                         Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB84623 standard, protein, 354 AA.
Human PRO polypeptide #1.
US2003092890-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein; 354 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein; 354 AA
                45.6%;
                                                                                                                                                                                                                                                                    45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.68;
                                                                                                                                                                                                                                                                                                                                                                                               45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%;
                                                                                                                                         Match 45.6%;
Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 47.9%;
RESULT 464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 45.6%;
Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB84869 standard; protei
Human PRO polypeptide #1.
US2003073817-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO polypeptide #1.
US2003088067-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
 (GETH ) GENENTECH INC.
                                                                                                                            (GETH ) GENENTECH INC.
                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB87041 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                     08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-APR-2003
                                                                                                             17-APR-2003
                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABJ72058 standard; protein; 354 AA.
Human membrane bound receptor/protein PRO6004 amino acid sequence.
US2003065147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.6%; Score 823; DB 6; Length 354; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                  Length 354;
                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                     Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                  Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 354;
                                                                           ABU67170 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2003032062-A1.
                                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO6004 US2003088063-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABO34251 standard; protein; 354 AA.
Human secreted/transmembrane polypeptide PRO 6004.
US2003044934-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA47302 standard; protein; 354 AA.
Human secreted/transmembrane polypeptide PRO6004
US2003044844-A1.
                                  Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                           Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                   Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 823; DB 7;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO19870 standard; protein; 354 AA.
Human secreted/transmembrane protein PRO6004.
US2003044902-A1.
                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane protein PRO6004.
US2003032057-A1.
                                                                                                                                                                                                         protein; 354 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein; 354 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABJ72356 standard; protein; 354 AA
                                                                                                                                                                                                                                                                                                                                   ABU79812 standard; protein; 354 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003002.
13-MAR-2003.
(GETH ) GENENTECH INC.
45.6%; S'
                                                                                                                                                                                                                                    US2003uou..
08-MAY-2003.
(GETH ) GENENTECH INC.
45.6%;
                                                                                                                                                          45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.68;
                               Ouery Match 45.6%;
Best Local Similarity 47.9%;
                                                                                                                                                                                                                                                                                                                                                                                 13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAR-2003.
(GETH ) GENENTECH INC.
                GENENTECH INC.
                                                                                                                         13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PRO6004 protein:
US2003050448-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO6004 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 456
                                                                                                                                                                       Best Local Similarity RESULT 450
                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                         ABU82048 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABJ72228 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003027988-A1.
28-NOV-2002
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-FEB-200
                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                            RESULT 449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BBBBB
```

Length 354;

Length 354;

Length 354

Length 354;

Length 354;

```
(HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                    31-JAN-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-MAR-2003.
(GETH ) GENENTECH INC.
                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003032063-A1.
WO200122920-A2.
                                                                                                                                                  21-DEC-2000
               05-APR-2001
                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                  Query Match
Best Local S
                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                  RESULT 441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
A a n %: Score 885.5; DB 2; Length 287;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 287;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 203;
                                                               Length 361;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 304;
                                                                                                                                                                                                   Length 308;
                                                                                                                                                                                                                                                                                                                                      Length 315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 383;
                                                                        PD 03-0052-A1.

PD 03-007-1996.

PA (UMDN-) UMDNU UNIV NEW JERSEYS HEALTH SCI.

Query Match
Best Local Similarity 56.3%; Pred. No. 1.1e-69;

RESULT 432

ID AAW05158 standard; protein; 315 AA.

PN W09650052-A1.

PD 03-007-1996.

PA (UMDN-) PROTENTIAL SCI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49.1%; Score 886.5; DB 2; 56.6%; Pred. No. 6.9e-68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADM47275 standard; protein; 203 AA.
Oestrogen regulated protein like NOVX 25b protein.
WO2003083039-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAG75020 standard; protein; 326 AA.
Human colon cancer antigen protein SEQ ID NO:5784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 873.5; DB 7;
Pred. No. 5.7e-67;
                                                                                                                                                                                                                                                                                             03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ery Match
for Innel Similarity 56.3%; Pred. No. 1.3e-69;
                                                          50.6%; Score 913; DB 2; 51.7%; Pred. No. 4.9e-70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
ery Match
ery Match
ery match
ery match
for Local Similarity 55.5%; Pred. No. 3.5e-69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50.1%; Score 905; DB 2; 55.3%; Pred. No. 2e-69;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49.4%; Score 893; DB 6; 53.3%; Pred. No. 2.8e-68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         49.0%; Score 885.5; DB 2 56.6%; Pred. No. 8.5e-68;
                                                                                                                                                                                                                                                                                                                                                                                                                                  03-OCT-1996. (UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
                             (UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABR39441 standard; protein; 383 AA.
Human GENSET polypeptide clone name SLAMP.
20-FEB-2003.
(GEST ) GENSET SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW05155 standard; protein; 304 AA.
Human mature LAMP.
WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW05159 standard; protein; 287 AA.
Human LAMP residues 29-315.
WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW05160 standard; protein; 287 AA.
Rat LAMP residues 29-315.
WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                 AAW05156 standard; protein; 310 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             48.4%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2003.
2003.
2003.
2003.
207 Match
Best Local Similarity
RESULT 436
ID AAW05159 stand*
DB Human LAMP
PN W09630*
PD 03*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 435
ID ABR3941 standard; pl
DE Human GENSET polypept
PN W0203014151-A2.
PD 20-FEB-2003.
PA (GEST ) GENSET SA.
                                                     Query Match
Best Local Similarity
RESULT 431
                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
RESULT 437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Rat LAMP clone 6c
                                                                                                                                                                                                                                                                                                                                                                                                   Rat mature LAMP.
WO9630052-A1.
               WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 438
ID ADM472.
DE Oestrog
PN WO2003(PD 09-OCT-PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PORT
```

```
47.2%; Score 852.5; DB 4; Length 326; 51.6%; Pred. No. 7.1e-65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vuery Match 45.6%; Score 823; DB 5; Length 354; Best Local Similarity 47.9%; Pred. No. 2.8e-62; RESULT 443
                                                                                                                                                                                       Length 354;
                                                                                                                                                                                                                                                                                                                                                                          45.6%; Score 823; DB 5; Length 354; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 354;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO25183 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003040014-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABUS3/US standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004.
US2003045687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABU72069 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
US2002177165-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU67301 standard; protein; 354 AA.
Novel human secreted and transmembrane protein PRO6004
                                                                                           Amino acid sequence of human polypeptide PRO6004
WO200077037-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI28023 standard; protein; 354 AA.
ECMCAD protein 7087904CD1.
W0200202543-A2.
10-JAN-2002.
(INCY. INCYTE GENOMICS INC.
ery Match
st Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                Match 45.6%; Score 823; DB 4; Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 823; DB 6;
Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 45.6%; Score 823; DB 6; Best Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.6%; Score 823; DB 6; 47.9%; Pred. No. 2.8e-62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 45.6%; Score 823; DB 6; Local Similarity 47.9%; Pred. No. 2.8e-62;
                                                                   AAB31212 gtandard; protein; 354 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #1.
10.500033635-A1.
                                                                                                                                                                                                                                                    ABP53580 standard; protein; 354 AA.
Human NOV12a protein SEQ ID NO:24.
WO200026299-A2.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU83592 standard; protein; 354 AA.
Human PRO protein, Seq ID No 2.
WO200208288-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         45.6%;
```

```
12-DEC-2002. (EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-JAN-2004.
(INCY-) INCYTE CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 430
                                                                                                                                      Best Local Similarity RESULT 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
WO2003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CN1345756-A.
                                  27-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADO47380 standard; protein; 250 AA.
Human neurotrimin-like protein-related rat neurotrimin protein SeqID15.
#W02004039942-A2.
113-MAY-2004.
(NUVE-) NUVELO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              90.8%; Score 1639.5; DB 7; Length 344; 92.9%; Pred. No. 1e-132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1295.5; DB 7; Length 338; Pred. No. 4.6e-103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE07928 standard; protein; 338 AA.
Novel protein (useful for identifying genetic disorders) #83.
WO2003054152-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90.9%; Score 1642; DB 3; Length 313; 100.0%; Pred. No. 5.3e-133;
                                                                                                             91.4%; Score 1650; DB 7; Length 355; 92.2%; Pred. No. 1.3e-133;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 381;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      71.7%; Score 1295; DB 8; Length 250; 97.6%; Pred. No. 3.3e-103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 345;
                                                                                                                                                                                                                                                                                                                                                               Length 367;
                                                                                                                                                                                                                                                                                       09-JAN-2003.

(IMCR ) IMPERIAL CANCER RES TECHNOLOGY LTD.
ery Match
ery Matc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PD 08-NOV-2001.
PA (SHAN-) SHANGHAI BIOWINDOW GENE DEV INC.
Query Match 91.0%; Score 1643; DB 5;
Best Local Similarity 98.7%; Pred. No. 5.7e-133;
RESULT 415.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1268; DB 6;
Pred. No. 1.1e-100;
                                                                                                                                                                                                                                                                                                                                                                                                                                             AAU79205 standard; protein; 381 AA.
Human Kruppel associated DNA binding protein 42.
WO200183541-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABJ20236 standard; protein; 345 AA.
Human IG gene related protein SEQ ID No 59.
W0200099040-A2.
(EXEL-) EXELIXIS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG62215 standard; protein; 376 AA.
Human neurotrimin protein +108bp isoform.
WO2003002765-A2.
                                                                                                                                                                                                     ADG63213 standard; protein; 367 AA.
Human neurotrimin protein +69bp isoform.
WO2003002765-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE83448 standard; protein; 345 AA.
Human Protein Q14982, SEQ ID NO 11043.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAYS7602 standard; protein; 313 AA.
Human protein SEQ ID NO:4.
WO9958668-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADI35772 standard; protein; 344 AA. Rat neurotrimin.
US2003100485-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              71.78;
71.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70.2%;
71.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2003,
(INCY-) INCYTE GENOMICS INC.
                                                        29-MAY-2003.
(INCY-) INCYTE GENOMICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-NOV-1999.
(ONOY ) ONO PHARM CO LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 416
ID ADI35772 standard; pro
DE Rat neurotrimin.
PN US2003100485-A1.
PD 29-MAY-2003.
PA (INCY-) INCYTE GENOMIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 420
ID ABJ20236 standard; pr
DE Human IG gene related
PN WO200299040-A2.
PD 12-DEC-2002.
PA (EXEL-) EXELIXIS INC.
                                                                                                                                          Best Local Similarity
RESULT 413
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-JUL-2003.
(HYSE-) HYSEQ INC.
Human neurotrimin.
                               US2003100485-A1.
                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BESE
```

```
03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    51.6%; Score 931.5; DB 6; Length 338; 55.4%; Pred. No. 1.1e-71;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 5; Length 335;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 338;
                                                                                                                                                                                                                           Length 345;
                                                                                                                                                                                                                                                                                                                                                                                                                       Length 345;
                                                   Length 345
                                                                                                             ADG63207 standard; protein; 345 AA.
Optoid-binding protein/cell adhesion molecule-like protein.
WO2003002765-A2.
09-JAN-2003.
(IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.
PLY MAtch
TO.24; Score 1268; DB 7; Length 345
st Local Similarity 71.24; Pred. No. 1.1e-100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAO19641 standard; protein; 335 AA.
Human limbic system associated membrane protein 36-85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-OCT-1996.
(UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
51.1%; Score 923.5; DB 2;
ery Match
55.3%; Pred. No. 5.3e-71;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 926.5; DB 2;
Pred. No. 3.1e-71;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 931.5; DB 8;
Pred. No. 1.1e-71;
                                                   Score 1268; DB 7;
Pred. No. 1.1e-100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL12675 standard, protein; 338 AA.
Human steroid-induced C3A liver cell protein #60
US6673549-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1259; DB 7;
Pred. No. 6.6e-100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cuery Match 51.3%; Score 926.5; DB 2; Best Local Similarity 55.1%; Pred. No. 3.1e-71; RESULT 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51.6%; Score 932.5; DB 5 53.9%; Pred. No. 9.2e-72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABJ20235 standard; protein; 338 AA.
Human IG gene related protein SEQ ID No 58.
WO200299040-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (UMDN-) UMDNJ UNIV NEW JERSEYS HEALTH SCI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) 24-APR-2002.
( (SHAN-) SHANGHAI BIOWINDOW GENE DEV INC.
Query Match 51.6%; Score 932.5
                                                                                                                                                                                                                                                                        Ext. Protein P32736, SEQ ID NO 11041. W02003016475-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW05152 standard; protein; 325 AA.
Human LAMP residues 8-332.
W09630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW05153 standard; protein; 338 AA.Rat LAMP residues 1-332.W09630052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW05154 standard; protein; 338 AA Rat LAMP residues 1-332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW05172 standard; protein; 361 AA
                                                   70.2%;
71.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                  69.7%;
71.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51.3%;
55.1%;
(GEHO ) GEN HOSPITAL CORP. (FARB ) BAYER AG.
                                                                                                                                                                                                                                                                                                                                                    27-FEB-2003.
(GEHO ) GEN HOSPITAL CORP.
(FARB ) BAYER AG.
```

```
ADD18291 standard; protein; 344 AA.
Human molecule (MOL) protein MOL11.
WO2003003984-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 355;
                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1799; DB 3; Length 344; Pred. No. 1.7e-146;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.6%; Score 1799; DB 3; Length 344; 99.7%; Pred. No. 1.7e-146;
                   AD196360 standard; protein; 344 AA. Novel human secreted and transmembrane protein PRO337. US2003207354-A1.
                                                                                                                                                                                                                                                                                                                                                      PD 22-APR-2004.

PA (GETH ) GENENTECH INC.

Querry Match 100.0%; Score 1806; DB 8;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 397
                                                                                                                                                                                           PD 25-WAR-2004.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.5e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1806; DB 4; 100.0%; Pred. No. 4.5e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB19722 standard, protein; 344 AA.
Human SECX Clone 11753149.0.37-encoded protein.
WO200061754-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB19721 standard; protein; 344 AA.
Human SECX Clone 11753149.0.6-encoded protein.
WO200061754-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAM40499 standard; protein; 355 AA.
Human polypeptide SEQ ID NO 5430.
WO200153312-A1.
                                                                                                                                                                                                                                                                                                  ADM28326 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2004077064-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                       AD195808 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003077659-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADI21580 standard; protein; 355 AA.
Novel human polypeptide #59.
WO2003025148-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-OCT-2000.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-OCT-2000.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-JUL-2001.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-MAR-2003.
(HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 401
   RESULT 394
```

```
ADN39138 standard; protein; 344 AA.
Cancer/angiogenesis/fibrosis-related polypeptide, SEQ ID NO:456.
WO2003042661-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PD 09-JAN-2003.
PA (IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.
Query Match 92.2%; Score 1665.5; DB 7; Length 344;
Best Local Similarity 95.2%; Pred. No. 5.7e-135;
RESULT 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.2%; Score 1791.5; DB 2; Length 343; 99.7%; Pred. No. 7.7e-146;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 6; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 92.2%; Score 1665.5; DB 7; Length 344; Local Similarity 95.2%; Pred. No. 5.7e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 92.2%; Score 1665.5; DB 4; Length 344; 95.2%; Pred. No. 5.7e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 09-JAN-2003.
PA (IMCR.) IMPERIAL CANCER RES TECHNOLOGY LTD.
Query Match 91.4%; Score 1650; DB 7; Length 355;
RESULT 412
ID ADJ35770 cord of the control o
                                                                             Score 1799; DB 7; Length 344; Pred. No. 1.7e-146;
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92.2%; Score 1665.5; DB 6; 95.2%; Pred. No. 5.7e-135;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vuery Match 92.2%; Score 1665.5; DB 6
Best Local Similarity 95.2%; Pred. No. 5.7e-135;
RESULT 408
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1799; DB 7;
Pred. No. 1.7e-146;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABJ20227 standard; protein; 344 AA.
Human IG gene related protein SEQ ID No 50
WO200299040-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABUS6719 standard; protein; 344 AA.
Lung cancer-associated polypeptide #312.
WO200286443-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG61211 standard; protein; 355 AA.
Human neurotrimin protein +33bp isoform.
WO2003002765-A2.
                                                                                                                                                                                                          ADD18289 standard; protein; 344 AA. Human molecule (MOL) protein MOL10. WO2003003944-A2. 16-JAN-2003. (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAM38713 standard; protein; 344 AA.
Human polypeptide SEQ ID NO 1858.
WO200153312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY41773 standard; protein; 343 AA.
Human PRO337 protein sequence.
WO9946281-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG63209 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-MAY-2003. (EOSB-) EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-OCT-2002.
(EOSB-) EOS BIOTECHNOLOGY INC.
Query Match
                                                                             Best Local Similarity 99.7%;
RESULT 404
                                                                                                                                                                                                                                                                                                                                                                                                                              99.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human neurotrimin protein. WO2003002765-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-SEP-1999.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12-DEC-2002.
(EXEL-) EXELIXIS INC.
16-JAN-2003.
(CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-JUL-2001.
(HYSE-) HYSEQ INC.
```

```
PD 22-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG09908 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2004009548-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG02256 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2004009547-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel human secreted and transmembrane protein PRO337.
US2003207383-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AD129847 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003096961-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADII5379 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207382-A1.
                                                                                                                                                                                                                                                                                                                               Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                ADI81165 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207361-AI.
                                                                                                                                                                                                                                                                                                                                                                                                             ADI33592 standard; protein; 344 AA. Human PRO polypeptide #63. US2003096960-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH69686 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2004019183-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH25745 standard; protein; 344 AA.
Human PRO337 protein SEQ ID NO:523.
EP1386931-A1.
                                                                                                                                                                                                                                      US200320...
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USJUCT.
06-NOV-2003.
(GETH ) GENENTECH INC.
MATCh 100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003zc...
06-NOV-2003.
(GETH ) GENENTECH INC.
""rch ""rth ""rth 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-JAN-2004.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.
Local Similarity RESULT 376

TO AD181165 standed DE Human PRO PRO 10220337

PD 06-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Janus 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 382
ID ADG09256 standard; pr
DE Novel human secreted
PN US2004009547-A1.
PD 15-JAN-2004.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PNE
```

```
11-MAR-2004.
(GETH) GENENTECH INC.
(GETH) GENENTECH INC.
ery Match 100.0%; Score 1806; DB 8; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADJ65604 standard; protein; 344 AA.

Human PRO polypeptide #188.
2052004038335-A1.
26-FEB-2004.
(GETH) GENENTECH INC.
100.0%; Score 1806; DB 8; Length 344; pr Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                        Length 344;
                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                        LT 385
ADI18306 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
06-NOV-2003.
                                                                                                                                                                        ADM27244 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2004044179-A1.
                                                                                                                                                                                                                                                                                                    06-NOV-2005.
(GETH ) GENENTECH INC.
1ry Match 100.0%; Score 1806; DB 8;
2ry Match 100.0%; Pred. No. 4.3e-147;
Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                             Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM17522 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2004048332-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #28.
USZO04043927-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM27740 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2004048333-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADJ77482 standard, protein; 344 AA. Human PRO polypeptide #188.
USZ00403836-Al.
26-FEB-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADK66602 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                               /S200405...
26-FEB-2004.
(GETH ) GENENTECH INC. 100.0%; /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004.
(GETH.) GENENTECH INC.
100.0%;
                                                                                                                                                                                                           /S2004-2004.
04-MAR-2004.
(GETH.) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USZUDA-C.
04-MRZ-2004.
(GETH ) GENENTECH INC.
MATCh ...' natch 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004-...
04-MR-2004.
(GETH ) GENENTECH INC.
Match "1-vity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #63.
US2004044180-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
RESULT 390
                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                          Query Match
                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 391
```

```
08-JAN-2004.
(GETH) GENENTECH INC.
ery Match 100.0%; Score 1806; DB 8; Length 344;
                                                                                                                                                                                                                                                                                                                          Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                            Length 344;
                                                                                                                                              ADG61469 standard, protein, 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADG59741 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207369-A1.
06-NOV-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADGS4701 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG34122 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
(GETH ) GENENTECH INC.

3ry Match 100.0%; Score 1806; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG51320 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2004005312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human secreted/transmembrane protein, PRO337. US2004005657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane protein, PRO337.
US2004006219-A1.
08-JAN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                            ADH28556 standard; protein; 344 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH43489 standard, protein, 344 AA.
Human PRO polypeptide #28.
US2003224984-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADG62720 standard; protein; 344 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG59264 standard; protein; 344 AA
                                                                                                                                                                                                                        US2003zv...
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USZUCZZ.
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USZUCZZ

08-JAN-2004.

(GETH ) GENENTECH INC.

Match 'arity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003zzzzzz
04-DEC-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003uzzzzz
30-JAN-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-2-00
08-17AN-2004.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PRO polypeptide #188.
US2003022331-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                             Best_Local_Similarity RESULT 367
                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2004006206-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loc
RESULT 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Leury Match

Best Local Similarity 100.0%; Score 1806; DB 8; Length 344;

RESULT 365

ID ADH12623 standard; protein; 344 AA.

DE Novel human secreted and transman.

PN US2003207378-A1.

PD 06-NOV-2002
                                               GENENTECH INC.

GENENTECH INC.

the second of the second o
                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LU 16-007-203.

PA (GETH ) GENENTECH INC.

Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 364

ID ADGSG357 standard; protein; 344 AA.

DE Novel human secreted and trange.

PD 05-003207366-A1.

PD 06-NOV-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADGS2421 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207414-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG54149 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207416-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OSTUTE OF THE OFFICE OF STATE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2005.
(GETH ) GENENTECH INC.
iry Match 100.0%; Score 1806; DB 8;
iry Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG51944 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003215908-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG48824 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003216560-A1.
                                                                                                                                                                                      ADG50072 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003215905-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG49448 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003216305-A1.
                                                                                                                                                                                                                                                   US2003212...
20-NOV-2003.
(GETH ) GENENTECH INC.
Watch '100,0%; SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L6-A1.

2003.

L4 ) GENENTECH I.

L5TY MATCh

Best Local Similarity 1

RESULT 362

ID AD649448 stander

DE Human secret

PN US2032.

PA 20-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lery Match
Best Local Similarity
RESULT 366
ID ADG48824 8tar*
DE Human 8P
                                                                                                                   Best Local Similarity
RESULT 358
                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
RESULT 363
                           06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                            Query Match
```

us-09-978-544a-523.rag.spdi

```
Novel human secreted and transmembrane protein PRO337
                    US2003207420-A1
                                    06-NOV-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                   Query Match
                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                             RESULT 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 352
                                                                               Length 344;
                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                               ADG60917 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207390-A1.
                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane protein PRO337.
US200207428-Al.
                                                                                                                         ADG55253 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003194778-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADG57461 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003207362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADG58565 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207368-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG56909 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207364-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADGS5805 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207365-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OG-NOV-2003.

(GETH ) GENENTECH INC.

(GETH ) GENENTECH INC.

100.0%; Score 1806; DB 8;

iery Match

100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GE-NOV-2003.
(GETH) GENENTECH INC.
(ery Match 100.0%; Score 1806; DB 8;
(ery Match 100.0%; Pred. No. 4.3e-147;
                                                                               Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                       Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
ADG06688 standard; protein; 344 AA. Human PRO polypeptide #63.
US2003065666-Al.
22-MAY-2003.
(GETH ) GENENTECH INC.
100.0%; Score J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG82222 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003207358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG70931 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US20032v.-
06-NOV-2003.
(GETH ) GENENTECH INC.
warch 100.0%; Sr
                                                                                                                                                       US200312...
16-OCT-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                     US2003zer.
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                       06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                           100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
RESULT 348
                                                                                       Best Local Similarity RESULT 340
                                                                                                                                                                                                    Ouery Match
Best Local Similarity
RESULT 341
                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
RESULT 345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 347
                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                           A D S E I
                                                                                                                                                                                                                                                  BESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PPRE
```

```
Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 8; Length 344;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                               Length 344;
                                                                                                             ADH39032 standard, protein, 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003096965-A1.
22-MAY-2003.
STANDER OF THE STANDARD SECRET SEC
                                                                                                                                                                                                                                                                                                                                                                         AUGOBULI Standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG53597 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207415-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG71483 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207421-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH11999 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207419-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGETH) GENENTECH INC.

(GETH ) GENENTECH INC.

(GETH ) GALCh 100.0%; Score 1806; DB 8;

Lery Match 100.0%; Pred. No. 4.3e-147;
                            Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                      1806; DB 8;
No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG63634 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PRO337.
US2003180796-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG50696 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003207803-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                      Score 1806;
Pred. No. 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #188.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH30632 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003077723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JS200.2003.
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-000
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003cc...
06-NOV-2003.
(GETH ) GENENTECH INC.
Watch 17-rity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /SJO030.
24-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
                            100.0%;
                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%;
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-SEP-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 350
                                                 Best Local Similarity RESULT 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
(GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-NOV-2003.
```

```
Best Local Similarity 100.0%; Score 1806; DB 8; Length 344; RESULT 323
ID ADG16762 standard; protein; 344 AA.
DE Human PRO polypeptide #188.
PD 06-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) 27-NOV-2003.
A (GETH ) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              vuery Match 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG11256 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US20013096967-A1.
C22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG08382 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207424-A1.
                                                                         PD 06-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 322
     100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #188.
0/22003219885-Al.
                          Human PRO polypeptide #188.
US2003207351-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG05221 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207375-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG19488 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207425-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADG13325 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.0%;
RESULT 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%;
RESULT 326
                                                                                                                                                                                                                                                                                                                                         J9-A1.

2003.

2003.

LATY MATCH

Best Local Similarity 1

RESULT 324

ID ADG05221 standa-

DE Human PRO re

PD US2032-

PD 06-**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ,5-A1.
,003.
,1H ) GENENTECH 1
LY MATCh
Best Local Similarity .RESULT 325
ID ADG19488 stand*
DE Human PRO T
PN US2003**
PD 06***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 327
Best Local Similarity RESULT 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
```

```
PD 06-NOV-2003.
PA (GETH ) GENENTECH INC.
Query Match Anth 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH) GENENTECH INC.
ery Match 100.0%; Score 1806; DB 8; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG07206 standard, protein; 344 AA.

Novel human secreted and transmembrane protein PR0337.
US2003207350-A1.
06-NOV-2003.
(GETH.) GENENTECH INC.
ADG12035 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PR0337.
US2003096963-A1.
22-MAY-2003.
(BETH ) GENEWTECH INC.
ery Match
EL Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG23719 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207389-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG24909 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207427-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG07758 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF94592 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003096964-A1.
                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2003.

(GETH) GENENTECH INC.

Query Match 100.0%; Score 1806; DB 8;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 100.0%; Score 1806; DB 8; Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                         ADG06135 standard, protein; 344 AA.
Human PRO polypeptide #188.
US2003207374-A1.
                                                                                                                     Best Jacon Similarity 100.0%; Pred. RESULT 331
ID ADP96950 standard; protein; 344 AA. DE Human PRO polypeptide #188.
PN US2003207371-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG04008 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207423-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2005.
(GETH ) GENENTECH INC.
iry Match 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 100.0%;
FESULT 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.0%; RESULT 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
```

```
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%; Score 1806; DB 8; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 1806; DB 8; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PD 06-NOV-2003.

PD 06-NOV-2003.

Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 319
                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . Match 100.0%; Score 1806; DB 8; Length 344; Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
ry Match 100.0%; Score 1806; DB 8; Length 344;
t Local Similarity 100.0%; Pred. No. 4.3e-147;
100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                         Length 344;
                                                     ADE91713 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US200199058-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       مان 22078 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207360-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO337. US2003207426-Al.
                                                                                                                                                                                                              ADG05639 standard, protein, 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003096959-A1.
                                                                                                                                                                                                                                                                                                                Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APF98054 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207422-A1.
                                                                                                                                                                                                                                                                                                                                                                       ADG27193 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003096962-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG20148 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207376-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF98625 standard, protein, 344 AA. Human PRO polypeptide #188.
US2003208055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG02292 standard; protein; 344 AA
Human PRO polypeptide #188.
US2003207352-A1.
                                                                                                                                                                                                                                                                                         ETH ) GENENTECH INC.
Match
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                Best Local Similarity RESULT 312
                                                                                                                                                                     Best Local Similarity RESULT 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
RESULT 318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                         22-MAY-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                      22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                    Length 344;
                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                  .....ane protein PRO3
....ane protein PRO3
...anery Match
Best Local Similarity 100.0%; Score 1806; DB 8; Len.
RESULT 305
ID ADE90566 standard; protein; 344 AA.
DE Human PRO polypeptide #188.
PN US2031999063-A1.
PD 23-OCT-200
                                                                                                                                                                                                                              ADE92265 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003199012-A1.
33-OCT-2003.
(GETH ) GENENTECH INC.
                    Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 1806; DB 8; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 100.0%; Score 1806; DB 8; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF26684 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003199674-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF34473 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003194410-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADF46710 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003195344-A1.
                                                                         ADF27944 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003199437-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF41538 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003199435-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF33217 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003211091-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF25583 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003211092-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ...dard; protein;
...creted/transmembrane
...21-0CT-2003.

PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; SC.
Best Local Similarity 100.0%; Pre
RESULT 307
ID ADF33217 standard; prore'
DE Human secreted/tra-
PN US2003211091
PP 13-NOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US20031>>\circle 23-OCT-2003.
(GETH ) GENENTECH INC.
100.0%;
                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 13-NOV-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 308
                                                                                                                                                                     Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                                                                                                                                    23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 310
ID ADF34473 standard; pr
DE Human secreted/transm
PN US2003194410-A1.
PD 16-OCT-2003.
PA (GETH ) GENENTECH INC
          Query Match
Best Local Similarity
RESULT 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity RESULT 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
```

```
ADE91118 standard; protein; 344 AA.

Human PRO polypeptide #188.
US2003199061-A1.
23-OCT-2003.
(GETH ) GENENTECH INC.
100.0%; Score 1806; DB 8; Length 344;
pt Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-OCT-2003.
(GETH) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    D \logonia_16-OCT-2003.

A (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.3e-147;
         PA (GETH ) GENENTECH INC.
Query Match
100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 294
                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USZU022...
30-OCT-2003.
30-OCT-2003.
(GETH ) GENENTECH INC.
100.0$; Score 1806; DB 8;
ery Match 100.0$; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-OCT-Zuus.
(GETH ) GENENTECH INC.
iry Match 100.0%; Score 1806; DB 8;
iry Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                    Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 297
ID ADF24482 standard; protein; 344 AA.
DE Human secreted/transmembrane protein, PRO337.
PN US2003204055-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF23858 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003203402-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADF33841 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003194780-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF40914 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003199021-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF27308 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003199436-A1.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                  ADE93369 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003199060-Al.
23-OCT-2003.
(GETH ) GENENTECH INC.
100.0%; Score J
                                                                                                                                                                                                                                           ADE95259 standard, protein, 344 AA.
Human PRO polypeptide #188.
US2003199052-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #188.
US2003199029-Al.
                                                                                                                                                                                                                                                                                        PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003_c__30-CT-2003.
(GETH ) GENENTECH INC.
...match 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 299
                                                                                                                                                                                                            Best I
RESULT
                                                                                                                                                                                                                                                                                                                                         PD 29-MAY-2003.

Cuery Match

Best Local Similarity 100.0%; Score 1806; DB 8; Length 344;

RESULT 288

ID ADE05352 standard; protein; 344 AA.

BE ADE05352 standard; protein; 344 AA.

PN US2003100723-A1.

PN US2003100723-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PD 29-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 289
                                                                Length 344;
                                                                                                                                                                                                       Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                Novel human secreted and transmembrane protein PRO337. US2003100716-A1. 29-MAY-2003. (GFH) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.0%; Score 1806; DB 8; Len. RESULT 291

ID ADF40290 standard; protein; 344 AA. DE Human secreted/transmembrane The No. 2003198994-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2.V.Z.
29-MAY. 2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC. 100.0%; Score 1806; DB 8;
(ery Match 100.0%; Pred. No. 4.3e-147;
                                                          100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF46086 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003195148-A1.
                                                                                                              ADD74581 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003100713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD74827 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003100724-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADE94707 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199027-Al.
                         29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                    29-MAY-2003.
(GETH ) GENENTECH INC.
2003.

"IH ) GENENTECH 1.

"ery Match
Best Local Similarity ..
RESULT 285
ID ADD74581 stand*
DE Human PRO r
PN US20031*
PD 29*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                           RESULT 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A D N E L
                                                                                                                                                                                                                                                              AN DE
```

```
Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD83311 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100725-A1.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD77607 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003100729-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD77853 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003100730-A1.
                                                                                                                                         100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                      Human secreted/transmembrane protein, PRO337.
1052003130181-Al.
                                                                 ADE88687 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199054-AA.
C3-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD73843 standard; protein; 344 AA.
Human PRO polypeptide #63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2003.
(GETH) GENENTECH INC.
PY MATCH 100.0%;
it Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / Match 100.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                        ASHKENAZI A J.
BAKER K P.
BOTSTEIN D.
DESNOYERS L.
EATON D L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (PANJ) PAN J.
(PANY) PAONI N F.
(ROYM) ROY M A.
(SHEL) SHELTON D L.
(STEW) STEWART T A.
(TUMA) TUMAS D.
(WILL) WOOD W I.
                                                                                                                                                                                                                                                                                                                                                                      GERBER H.
GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                 GODOWSKI P J.
GIRMALDI J C.
GURNEY A L.
HILLAN K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLJAVIN I J.
KUO S S.
NAPIER M A.
                                                                                                                                                                                                                                                                                                                             FILVAROFF E. FONG S.
                                                                                                                                                       Local Similarity
                                                                                                                                                                      RESULT 280
ID ADE89958 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                  GODDARD A.
16-OCT-2003
(GETH ) GENI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2003
                            Query Match
                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                       (BAKE/)
(BOTS/)
(DESN/)
                                                                                                                                                                                                                                                                                                 (EATO/)
(FERR/)
                                                                                                                                                                                                                                                                                                                             (FILV/)
                                                                                                                                                                                                                                           ASHK/)
                                                                                                                                                                                                                                                                                                                                                                                                                               GIRM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                               GURN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KUOS/)
                                                                                                                                                                                                                                                                                                                                                          GAOW/)
                                                                                                                                                                                                                                                                                                                                                                                                    GODD/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NAPI/
                                                                                                                                                                                                                                                                                                                                                                                       GERR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                            HILL/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 281
                                                                                                                                                                                      Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 274
                                                                                                                                                     Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 271
                                         Length 344;
                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD78099 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337, US2003100731-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                            ADD76863 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD86631 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
                                                                                                                                                                                DE Human PRO polypeptide #63.

DE Human PRO polypeptide #63.

PN US2003100726-A1.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OSCOT-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
ery Match:
100.0%; Score 1806; DB 8;
of Match:
100.0%; Pred. No. 4.3e-147;
                                        100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                     6; DB 8;
4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE41199 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PRO337.
US2003104558-A1.
                                                                                                                                                                                                                                                                                                                                                                                     Score 1806;
Pred. No. 4
                                                                                ADD87373 standard, protein, 344 AA. Human PRO polypeptide #188. US200320349-A1. 30-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADE89239 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199062-A1.
                                                                                                                                                                                                                                                                                                            ADD75319 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003100714-Al.
                                                                                                                                                                                                                                                                                                                                             PD 29-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0%;
RESULT 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003100719-A1.
29-MAY-2003.
(GETH ) GENENTECH INC.
             15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 276
ID AD541199 standard; pr
DE Human secreted/transm
PN US2003104558-A1.
PD 05-JUN-2003.
PA (GETH ) GENENTECH INC
                                                  Best Local Similarity RESULT 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 275
US2003092111-A1.
                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              D B S C S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PONGE
```

Length 344;

Score 1806; DB 8; Pred. No. 4.3e-147;

Length 344;

Score 1806; DB 8; Pred. No. 4.3e-147;

Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;

```
Query Match
                                                                                                                 100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 1806; DB 8; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1806; DB 8; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD78423 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100737-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD73583 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003100711-A1.
US2003100711-A1.
(GETH) GENENTECH INC.
(GETY MAtch
100.0%; Score 1806; DB 8;
ist Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                         PD 29-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 254
                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 1806; DB 8; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE41306 standard; protein; 344 AA.
Human secreted/transmembrane PRO polypeptide #28.
US2003100497-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE48857 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003104536-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%; Pred. N
Best Local Similarity 100.0%; Pred. N
RESULT 255
ID ADE75777 standard; protein; 344 AA.
DE Human PRO polypeptide #188.
PN US2003211571-A1.
PD 13-NOV-2003.
PA (GETH ) GENENTECH INC.
ADD87925 standard, protein; 344 AA.
Human PRO polypeptide #188.
US2003092113-A1.
                                                                                                                                                                               ADD86329 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003203440-Al.
                                                                                                                                                                                                                                                                                                                                                                ADE05598 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003100727-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADE23353 standard; protein; 344 AA. Human PRO polypeptide #188. US2003092108-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE21246 standard; protein; 344 AA
                                                                                                                                                                                                                                                      30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                  15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) 13-NOV-2003.
(GETH ) GENENTECH INC.
Query Match 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-MAY-2003.
(GETH ) GENENTECH INC
                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 257
```

```
PD 29-WAY-2003.
PA (GETH ) GENENTECH INC.
Query Match
Auch 100.0%; Score 1806; DB 8; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 268
                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 8; Length 344;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO337.
US2003100736-A1.
29-MAY-2003.
(GETH ) GRNENTECH INC.
                                                                                                                      ADD77361 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US203100732-A1.
39-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                     אם אינים standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100733-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD85557 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100721-A1.
                                                                                                                                                                                                                                                                                                                  OSCULO.

OSTANY-2003.

(GETH) GENENTECH INC.

(GETH) GENENTECH INC.

100.0%; Score 1806; DB 8;

ery Match

100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAY-2003.
(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 1806; DB 8;
(ery Match 100.0%; Pred. No. 4.3e-147;
                                                                      Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                      vuery Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PRO polypeptide #63.
US2003100709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                             ADD75573 standard; protein; 344 AA
Human PRO polypeptide #63.
US2003100064-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD74089 standard; protein; 344 AA. Human PRO polypeptide #63. US2003100708-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADE23905 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003092110-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE24548 standard; protein; 344 AA.
Human PRO polypeptide #188.
                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2003.
(GETH) GENENTECH INC.
Ery Match
st Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                   Best Local Similarity
RESULT 261
ID ADD77361 standard; pr
DE Novel human secreted
PN US2003100732-A1.
PD 29-MAY-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity RESULT 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Si
RESULT 264
```

```
29-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 251
 RESULT 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 246
                                                                                                     Length 344;
                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transmembrane protein PRO337.
US203087357-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC48829 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003092888-A1.
                AUNBIYYY Standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207388-A1.
                                                                                                                                                                                                                                                              ADM82556 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087355-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC81113 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003092115-A1.
                                                                                                                                            ADH81387 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
05203207377-A1.
06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                  ADNIS955 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087353-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO337.
US2001087385-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADN15403 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087356-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                    Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 7;
Pred. No. 4.3e-147;
 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US200300...
08-MAY-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USZUCZUSUSUS IS-MAY-2003.
(GETH ) GENENTECH INC.
Warch 'Joviey 100.0%;
                                                                                                   100.0%;
                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                       100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                      06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                          08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                               Best Local Similarity
RESULT 235
ID ADM82556 standard; pr
DE Novel human secreted
PN US2003087355-A1.
PD 08-MAY-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 241
Best Local Similarity
                                                                                                              Best Local Similarity
RESULT 234
                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 237
               RESULT 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
ID AD
DE NO
PN US
PD 08
                                                                                                                                                                                                                                                                                                                                                                                    A S S S C S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PERSE
```

```
PD 29-MAY-2003.

PD 29-MAY-2003.

Query Match INC.

Query Match 100.0%; Score 1806; DB 8; Length 344;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
ADE21000 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100735-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE39051 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003096362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALUBSOSI Standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100722-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO3377 US2003100738-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE20754 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003100734-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD75819 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003100117-A1.
29-MAY-2003.
                                          Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 8;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                             ADD76561 standard; protein; 344 AA.
Human PRO polypeptide #188.
1052001100087-A1.
29-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                         ADD75073 standard, protein, 344 AA.
Human PRO polypeptide #63.
US2003100712-A1.
                                                                                                                                          protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USZODE.
29-MRY-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USZUDA.
29-MAY-2003.
(GETH ) GENENTECH INC.
Match 'Jerity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match 100.0%;
Local Similarity 100.0%;
                                                                                                                                    ADE05844 standard; protein
Human PRO polypeptide #63.
US2003100728-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC.
                                                                                   Query Match
Best Local Similarity
RESULT 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD86877 standard;
                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
```

Query Match

RESULT 216

RESULT 217

```
06-NOV-2003.
(GETH ) GENENTECH INC.
100.0%; Score 1806; DB 7; Length 344;
                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
Length 344;
                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADIG4077 standard, protein; 344 AA.
Novel human serreted and transmembrane protein PRO337.
US2003207385-A1.
0G-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transmembrane protein PRO337.
US203207386-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI63525 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207387-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH55306 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADH55858 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003207379-A1.
                                                                                                                                                                                                                                                                                    (GETNO) CONTROLL INC.

(GETNO) GENERATECH INC.

100.0%; SCORE 1806; DB 7;

"Theral Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                       ADG63785 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PRO337.
US2003170721-A1.
                                        Human secreted/transmembrane protein, PRO337.052003206915-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADI61200 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003077700-A1.
                                                                                                                                                                                                                ADG80014 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003207372-A1.
                                                                                                   USZUCZ-.
06-NOV-2003.
(GETH ) GENENTECH INC.
-- MAtCh ''1srity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                    11-SEP-zuus.
(GETH) GENENTECH INC.
iry Match 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         D 06-NOV-2003.

A (GETH ) GENENTECH INC.

Query Match 100.0%;

Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 100.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 100.0%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-APR-2003.
(GETH ) GENENTECH INC.
                Best Local Similarity RESULT 224
                                                                                                                                                                 Best_Local Similarity
RESULT 225
                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                            06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                  11-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Loca
RESULT 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vuery Match 100.0%; Score 1806; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                  Length 344;
                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADG21526 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207355-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG21167 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003207384-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                  100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                         100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 1806; DB 7; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein, PRO337.
US2003216561-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF47363 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003195333-A1.
(GETH ) GENENTECH INC.
                                                                        ADE40889 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199031-A1.
                                                                                                                                                                                                                                  ADE04688 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199034-A1.
                                                                                                                                                                                                                                                                                                                                                                                         ADE92817 standard; protein; 344 AA. Human PRO polypeptide #188. US2003194777-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF97502 standard; protein; 344 AA. Human PRO polypeptide #188. US2003207370-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADG80566 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003207373-A1.
                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-NOV-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                          23-OCT-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC
                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                  Best Local Similarity RESULT 215
                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                     23-OCT-2003
                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
```

RESULT

Query Match

RESULT 221

RESULT 223 ID ADG531 DE Human PN US2003 PD 20-NOV PA (GETH

Length 344;

Length 344;

```
LUCIY MATCH 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 211
                PA (GETH ) GENENTECH INC.
QUELY MATCh 100.0%; Score 1806; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.38-147;
RESULT 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               // Zaruci...
(GETH ) GENENTECH INC.
sry Match
100.0%; Score 1806; DB 7; Length 344;
findal Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADE32869 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003194766-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OSCUT-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
(ETH ) GENENTECH INC. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 30-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 7;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 213
                                                                                                                                                                           vuery Match
Beet Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 1806; DB 7; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADE17349 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003203433-A1.
                                                                                        ADE43126 standard, protein; 344 AA. Human PRO polypeptide #188. US2003199033-A1. CAST-2003 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                    Human PRO polypeptide #188.

1052003199059-A1.
                                                                                                                                                                                                                                                                                                                                                                                                      ADE22801 standard; protein; 344 AA. Human PRO polypeptide #188. US2003199064-A1. CS3-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #188.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE42561 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199032-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD80577 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207418-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD89605 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199028-Al.
23-OCT-2003.
                                                                                                                                                                                                                                                                                                           23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
RESULT 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Locality 344 AA.

PD 16-OCT-2003.

PA (GETH) GENENTECH INC.

Query Match
Best Local Similarity 100.0%; Score 1806; DB 7; Length 344;

RESULT 201

ID ADD80025 standard; protein; 344 AA.

PN US2003207417-A1.

PD 06-NOV-2007
                                                      Length 344;
                                                                                                                                                                                                            Query Match 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 198
                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                            Apply Standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD80025 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003207417-A1.
GG-NOV-2003.
(GETH) GENEWTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 100.0%; Score 1806; DB 7;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
SSULT 205
                                                      Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD93062 standard; protein; 344 AA.

Usuan PRO polypeptide #188.

16-OCT-2003.

16-OCT-2003.

100.08; Score 1806; DB 7; St. Local Similarity 100.08; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD72698 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003194781-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADE19482 standard, protein; 344 AA. Human PRO polypeptide #188. US2003199025-A1. 23-OCT-2003. (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE18930 standard; protein; 344 AA. Human PRO polypeptide #188. US2003199026-A1.
                                                                                                           ADE17826 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199023-A1.
                                                                                                                                                                                                                                                                  ADD91958 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199053-A1.
                                                      100.0%;
                                                                                                                                                                                                                                                                                                               PD 23-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PD 16-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%;
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%;
Best Local Similarity 100.0%;
                                                                                                                                                                   23-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-OCT-2003.
(GETH ) GENENTECH INC.
                16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 202
                                                                        Best Local Similarity
US2003194772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT
ID AD
DE HU
PN PN
```

Length 344;

```
Human PRO polypeptide #188.
US2003199030-A1.
                                       23-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                         Query Match
                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                       (GETH)
                                                                                                                                                                                                                                                                                                                                                              Louis 1947; Length 344;

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Score 1806; DB 7; Length 344;

RESULT 182

ID ADD02011 standard; protein; 344 AA.

PD Human PRO polypeptide #188.

PD 30-OCT-200?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.0%; Score 1806; DB 7; Length 344; RESULT 183
ID ADD54193 standard; protein; 344 AA.
BE Novel human serreted and transmer.
PD 30-CCT-2003
PA (GFW...
                                                                                                                                                                                                       Ouery Match 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 180
                                                                                                                                                                                                                                                                                                                 PD 30-OCT-2003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; ID ADD92510 crosler.
                                                                                      100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD51282 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003105289-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
ADD37098 standard; protein; 344 AA.
Human secreted/transmembrane PRO polypeptide #28.
US2003105012-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE49557 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003096744-A1.
                                                                                                                                      ADD51778 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003194779-A1.
                                                                                                                                                                                                                                                                           ADD02577 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003203431-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD50271 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003096970-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADD92510 standard; protein; 344 AA
                         2.7.
2.003.
2.17 GENENTECH I.
2.17 Match
Best Local Similarity 1
RESULT 179
ID ADD51778 stand>
DE Human PRO r.
PD US20031°
PD 16-
                                                    05-JUN-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                          16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-MAY-2003.
(GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
RESULT 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                  A B B B B B
```

```
PD 23-0CT-2003.

PA (GETH ) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 190
                                                                                                                                                                                                                                                                                                                                                                                                                               16-0CT-2003.
(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 1806; DB 7; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-OCT-2003.
(GETH) GENENTECH INC.
100.0%; Score 1806; DB 7; Length 344;
ery Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) 30-OCI-2003.

QUETY MATCH 100.0%; Score 1806; DB 7; Length 344; Pref. No. 4.3e-147;
                 100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                     100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                            ADE32317 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003194765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USZCZ-2003.
30-CGT-2003.
GETH ) GENENTECH INC.
100.0%; Score 1806; DB 7;
tery Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE35611 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003203434-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADE16725 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003203435-Al.
30-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD73340 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003203436-A1.
                                                                                                                                                                                                                  Human PRO polypeptide #188.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PRO polypeptide #188.
082003199056-A1.
                                                                  ADD91406 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003199055-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD79473 standard, protein, 344 AA.
Human PRO polypeptide #188.
US2003203428-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE42009 standard; protein; 344 AA.
Human PRO polypeptide #188.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2005...
23.0CT 2003.
(GETH ) GENENTECH INC.
MAtch ...'1arity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-0CT-ZUUS.
(GETH ) GENENTECH INC.
IV MATCH 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.0%;
                                                                                                                                23-OCT-2003.
(GETH ) GENENTECH INC.
GENENTECH INC
                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
RESULT 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 195
                                                                                                                                                                                       Best Local Similarity
```

```
30-OCT-2003
                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 173
RESULT 169
                                                                                                                     Length 344;
                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                  ADC78073 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003096972-A1.
(22-MAY-2003.
(2ETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                           ADD04605 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087354-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC77827 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003088066-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD06308 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003073816-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC80561 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003092103-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DS-CC-1

15-MAY-2003.

(GETH) GENENTECH INC.

(GETH) GENENTECH INC. 8: Score 1806; DB 7;

ery Match

100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD11068 standard; protein; 344 AA.

Human PRO polypeptide #188.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

16-OCT-2003.

100.0%; Score 1806; DB 7; Bt Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                               Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD10345 standard; protein; 344 AA.
Human secreted/transmembrane PRO polypeptide #28.
US2003105011-A1.
                              ADD10030 standard; protein; 344 AA. Human PRO polypeptide #188. US2003194776-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC47949 standard; protein; 344 AA. Human PRO polypeptide #188. US2003194771-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7381c.
-2003.
) GENENTECH INC.
100.0%; S
                                                               US200312-1.
16-OCT-2003.
(GETH ) GENENTECH INC.
"1rch 100.0%;
                                                                                                                                                                                                                                                                                                                                             US2003.c.(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US200312.
16-OCT-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003.
(GETH) GENENTECH INC.
Query Match 100.0%;
Best Local Similarity .100.0%;
                                                                                                                               Best Local Similarity RESULT 161
                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity
RESULT 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
RESULT 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 168
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-APR-2003
(GETH ) GEN
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                     Query Match
                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                  RESULT 160
                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                       A B Z B B
```

```
Score 1806; DB 7; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Aunsi622 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003203437-A1.
ADC80009 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087358-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                    ADD50790 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003105291-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD41191 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337
US2003203438-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane protein PRO3377 US2003105290-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                 Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                 ADD11305 standard; protein; 344 AA.
Human secreted/transmembrane PRO polypeptide #28
US2003105013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #188.
16-00m - 2003194792-Al.
                                                                                                                                                                                                                                                                           ADD09478 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003194775-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD52330 standard; protein; 344 AA
Human PRO polypeptide #188.
US2003194769-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD51036 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USZUCZ-CO
05-UUN-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        /S200310-2003.
35-JUN-2003.
(GETH ) GENENTECH INC.
100.0%;
                                  USZODOUCO
08-MAY-2003.
(GETH ) GENENTECH INC.
MALCh ''ATTLY 100.0%;
                                                                                                                                                                                                                                                                                                              /S2003.2
16-0CT-2003.
(GETH.) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.0%;
RESULT 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-OCT-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC.
                                                                                   Query Match
Best Local Similarity
RESULT 170
                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
```

თ

us-09-978-544a-523.rag.spdi

RESULT 144

S B E E E

BERE

PREE

```
16-OCT-2003.
A (GETH ) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 7; Length 344;
100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                               ADC53556 standard; protein; 344 AA.
Novel human secreted and transmembrane protein Seg ID376.
US2003087364-A1.
                                                                                                                                                                                                                                                                                                                    ADCESSOR standard; protein; 344 AA.
Novel human secreted and transmembrane protein Seg ID376.
US2003087360-A1.
                                                                                                                                                                                    ADC59079 standard, protein, 344 AA.
Novel human secreted and transmembrane protein Seg ID376
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADCS8527 standard; protein; 344 AA.
Novel human secreted and transmembrane protein Seg ID376.
US2003087346-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC90193 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003087348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC47198 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003105288-A1.
05-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane protein PRO337. US.003092104-A1.
                                                                                                                                                                                                                                               OB-DALL-2003.
(GETH GENENTECH INC. 100.0%; Score 1806; DB 7; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO polypeptide #188.
1052003194770-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADC48501 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003194773-A1.
                                                                                                                                                                                                                                                                                                                                                          /S2005.00
08-MAY-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETH ) GENENTECH INC.

100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USACVET 2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.0%; RESULT 159
                                                                                                  08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-MAY-2003.
(GETH ) GENENTECH INC.
              Best Local Similarity
RESULT 151
                                                                                                                               Query Match
Best Local Similarity
RESULT 152
                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 153
                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
RESULT 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
                                                                                                                                                                                                                       US2003087359-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAY-2003
                                                                                                                                                                                                                                        08-MAY-200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loca
RESULT 155
                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                 Length 344;
                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein Seq ID376.

OB2003087366-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC54595 standard; protein; 344 AA.
Novel human secreted and transmembrane protein Seg ID376.
US2003087363-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC52950 standard; protein; 344 AA.

Novel human secreted and transmembrane protein Seg ID376
US2003087365-A1.
                                                                                                                                                                                                    ADC49592 standard, protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003088071-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADC60495 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PR0337.
US2003087367-A1.
(GB-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC50970 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003087361-A1.
                                                                ADC49075 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003088005-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                       ADC47453 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003088072-A1.
                                                                                                                        O8-MAY-ZVUJ.
(GETH) GENENTECH INC.
2ry Match 100.0%; Score 1806; DB 7;
2ry Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                 Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 149
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Luman PRO polypeptide #188.

US2003087362-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lard; protein;
Lard; protein;
Lard; protein;
08-MAY-2003.

PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Scc.
RESULT 150
ID ADC54595 standard; prorr.
DE NOVOE1 human secret
PN US2003087367
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003ve...
08-MAY-2003.
(GETH ) GENENTECH INC.
100.0%; //
                 100.0%;
100.0%;
                                                                                                                                                                                                                                     US200300...
08-MAY-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH) GENENTECH INC.

100.0%;

1 Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAY-2003.
(GETH ) GENENTECH INC.
 (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
RESULT 147
                                                                                                                                                             Best Local Similarity
RESULT 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity RESULT 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 148
                            Best Local Similarity
RESULT 142
                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                             08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                   Query Match
```

Length 344;

```
Novel human secreted and transmembrane protein PRO337.15-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC71964 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003092107-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC59943 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003092105-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC49876 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US200308864-A1.
08-MAY-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OS-JUN-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
lery Match
100.0%; Score 1806; DB 7;
                        Ouery Match 100.0%; Score 1806; DB 7; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GETH ) GENENTECH INC.

(GETH ) GENENTECH INC.

100.0%; Score 1806; DB 7;

ATT 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENERITECH INC.

100.0%; Score 1806; DB 7;

11. T.A. al Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                    Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                   ADC67619 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003073131-A1.
                                                                                                                                                                                                                                                                                                                                               ADC62555 standard, protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003073624-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADC42188 standard, protein, 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003104998-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC21845 standard, protein, 344 AA.
Human PRO polypeptide #63.
US2003096969-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADC36855 standard; protein; 344 AA
                                                                                                                                                                                     US20030,22-17-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USZUOSUCO
08-MAY-2003.
(GETH ) GENENTECH INC.
MATCh '12+ity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #63.
US2003088065-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                           17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity RESULT 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity RESULT 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
          17-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                  Score 1806; DB 7; Length 344;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                            ADB46544 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003082692-A1.
01-MAY-2003.
(GETH) GENENTECH INC.
100.0%; Score 1806; DB 7; Lenget Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC63995 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003054405-A1.
20-MAR-2003.
(GETH) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                    ADC44171 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003054986-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC61931 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003049684-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AD066995 standard; protein; 344 AA.
Human secreted/transmembrane protein, PR0337.
US2003066406-A1.
C27-MAR-2003.
(STH) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane protein, PRO337. US2003064407-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AD063179 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003068648-A1.
10-APR-2003.
(GETH ) GENENTECH INC.
ery Match
st Local Similarity 100.0%; Pred. No. 4.3e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC68244 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003069178-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC41564 standard; protein; 344 AA.
Human secreted/transmembrane protein, PRO337.
US2003072745-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADC69119 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                         US2003us...
20-MAR-2003.
(GETH ) GENENTECH INC.
""" 100.0$;
US20030,,,,,, 24-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US20030-13-MAR-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USACVOLO
USACVOLO
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-cv-
10-APR-2003
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LAB-A1.

LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity RESULT 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 126
                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
RESULT 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
RESULT 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
RESULT 132
                                                                                                           Best Local Similarity
                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
Novel human secreted and transmembrane protein PRO337.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USZUCZ-203.
01-MPZ-2003.
(GETH ) GENENTECH INC.
MATCh '''narity 100.0%;
                                              10-AFK - CO.J.
(GETH ) GENENTECH INC.
17 Match 100.0%;
                                                                                                                                                                             01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                           Query Match
Best Local Similarity
RESULT 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
RESULT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 123
                                                                                                                                                                                                                                               RESULT 116
ID ADB73017 standard;
                     US2003069397-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-MAY-2003.
(GETH ) GENENTECH INC.
lery Match 100.0%; Score 1806; DB 7; Length 344;
lery Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                   Query Match 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 107
                                                                                         100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB78099 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003092886-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB47124 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003082687-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                      ADB39501 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082764-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                    Human PRO polypeptide #188.
US2003082698-A1.
ADB84993 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003073817-A1.
                                                                                                                                                                                                                                                                                 ADB90400 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082762-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB74029 standard; protein; 344 AA.
Human PRO polypeptide #89.
US2003045462-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB87165 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003088067-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB84747 standard; protein; 344 AA.
Human PRO polypeptide #63.
US2003092890-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB83862 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                     01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                 01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-MAR-2003.
(GETH ) GENENTECH INC.
                                                       17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 08-MAY-2003.
(GETH ) GENENTECH INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
RESULT 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
RESULT 114
ID ADB83862 standard: p
                                                                                                       Best Local Similarity
RESULT 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
RESULT 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 P D N E E
```

```
ID ADB73017 standard; protein; 344 AA.

DE Novel human secreted and transmembrane protein PRO337.

PN US2003092887-A1.

PD 15-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Score 1806; DB 7; Length 344;

RESULT 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-APR-2003.
(GETH ) GENENTECH INC.
(ery Match + 100.04; Score 1806; DB 7; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-APR-2003.
(GETH ) GENENTECH INC.
lery Match 100.0%; Score 1806; DB 7; Length 344;
Inc. Tanal Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C4-FER-2005.
(GETH ) GENENTECH INC.
iry Match
100.0%; Score 1806; DB 7; Length 344;
ir facal Similarity 100.0%; Pred. No. 4.3e-147;
Length 344;
                                                                                                                                                                    Query Match 100.0%; Score 1806; DB 7; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB77336 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082696-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 7;
Pred. No. 4.3e-147;
Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                ID ADB76745 standard; protein; 344 AA.

DE Human PRO POLypeptide #89.

PN US2003083248-A1.

PD 0.-MAY-2003.

PA (GETH ) GENENTECH INC.

QUETY MATCH

Best Local Similarity 100.0%; Pred. N

RESULT 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide SEQ ID NO 376. 24-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB35045 standard; protein; 344 AA. Human PRO polypeptide SEQ ID NO 376. US2003077718-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB34493 standard; protein; 344 AA. Human PRO polypeptide SEQ ID NO 376 US2003077717-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB35597 standard; protein; 344 AA.
Human PRO polypeptide SEQ ID NO 376.
US2003077719-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB36149 standard; protein; 344 AA.
Human PRO polypeptide SEQ ID NO 376
                                                               ADB86731 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003082697-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -2003.
GENENTECH INC.
100.0%; S
```

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                        RESULT 99
  RESULT 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABJ72120 standard; protein; 344 AA.
Human membrane bound receptor/protein PRO337 amino acid sequence.
US2003065147-A1.
                Length 344;
                                                                                                                           Length 344;
                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                             Novel human secreted and transmembrane protein PRO337. US2003087344-A1.
                                                      ADA88611 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003073213-A1.
             100.0%; Score 1806; DB 7; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PD 03-APR-2003.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 1806; DB 7;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24.4AP-2003.
(GETH ) GENENTECH INC.
(MALCh ) 100.0$; Score 1806; DB 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane protein PRO337. US2003044902-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO polypeptide SEQ ID NO 376, US2003077712-A1.
                                                                                                                                                                                                                                                                         Human PRO polypeptide #188.
US2003022239-Al.
30-AN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PRO polypeptide #188.
                                                                                                                                                                 ADA97616 standard; protein; 344 AA. Human PRO polypeptide #188. US2003082686-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB22858 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003077711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO19862 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lard; protein;
Ludgle8793-Al.
10-APR-2003

PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Sc.
RESULT 94
ID ADB22858 standard; prof.
DE Human PRO polypert
PN 24-APP
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003041.
06-MAR-2003.
(GETH ) GENENTECH INC.
Warch 100.0%; Sc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US20030...
24-APR-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                         100.0%;
                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
100.0%;
                                                                                                                                                                                                          01-MAY-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
                                                                                             17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L1-A1.

2003.

LTH ) GENENTECH 1.

EST MATCh

Best Local Similarity 1.

RESULT 95 Similarity 1.

DD ADB23631 stand*

DE Human PRO r

PN US2003**

PA 24.*
                                                                                                                                                                                              A1.

July GENENTECH I.

JETY MACCh
Best Local Similarity RESULT 89
ID ADB27373 stander DE Human PPC
PN US?
                                                                                                                                                                                                                                                                                                                                                                                       ... a secr.
... A7344-A1.
... Lery Match
Best Local Similarity
RESULT 91
ID ABO19862 stand*
DE Human secr.
PN US2003*
PD 06**
                                                                                                                                      Best Local Similarity RESULT 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity RESULT 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
           Query Match
Best Local Similarity
RESULT 87
                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity RESULT 90
                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                   DE DE
```

```
PD 08-MAY-2003.
PA (GETH ) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 7; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
Novel human secreted and transmembrane protein PRO337.
US203082712-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel human secreted and transmembrane protein PRO337. MAY 2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB66588 standard, protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082689-A1.
                                                                                                                                                                                                                                                                                                          ADBB3616 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003073814-A1.
17-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB80722 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003088068-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADB73263 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003096968-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB78345 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003092889-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB38116 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US2003087347-A1.
                                                             GETH) GENENTECH INC.
(GETH) GENENTECH INC.
(GTT) MATCh

100.0%; SCORE 1806; DB 7;

GETY MATCh

100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                    Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                          ADB15416 standard, protein, 344 AA. Human PRO polypeptide #188. US2003087352-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PD 15-MAY-2003.
PA (GETH ) GENENTECH INC.
QUERY MATCh
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USZUCZ-

08-MAY-2003.

(GETH ) GENENTECH INC.

Match 'lotty 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2003.
(GETH ) GENENTECH INC.
100.0%;
iry Match 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003.
(GETH ) GENENTECH INC.
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
RESULT 105
                                                                                                                    Best Local Similarity RESULT 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity RESULT 104
                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
```

Ŋ

```
(GETH ) GENENTECH INC.
ry Match 100.0%; Score 1806; DB 7; Length 344;
t Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2003.
(GETH) GENENTECH INC.
(ery Match 100.0%; Score 1806; DB 7; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1806; DB 7; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                   ABO19621 standard; protein; 344 AA.
Novel human secreted and transmembrane polypeptide #89.
US2003049633-A1.
13-AAR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALABUSHS Standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082709-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADABB059 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082700-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADA46447 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003054516-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 82
                                                                            Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                       Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1806; DB 7;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #188.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB18273 standard, protein; 344 AA.
Human PRO polypeptide #188.
N US2003077710-A1.
A C4-APR-2003.
A CGTH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred.
                                                                                                                                                                                                                                                                                                                                 ADA77533 standard; protein; 344 AA.
Human PRO polypeptide #188.
10/52003068797-A1.
10-APR-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB28477 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082699-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA76981 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003059909-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GETH CENENTECH INC.
                                                                         100.0%;
                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%;
Best Local Similarity 100.0%;
RESULT 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.0%;
                       06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                         Best Local Similarity
RESULT 78
ID ABO19621 standard; pr
DE Novel human secreted
PN US2003049633-A1.
                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cocal Similarity
US2003044934-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Si
RESULT 80
                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                     Length 344;

Lougo 8260-A1.

PD 01-MAY-2003.

PA (GETH) GENENTECH INC.

Query Match

Best Local Similarity 100.0%; Score 1806; DB 6; Length 344;

RESULT 73

ID ADA81084 standard; protein; 344 AA.

PD Human PRO polypeptide #188.

PD 01-MAY-2003

PA (GETH) GENENTECH INC.

Ouery Match

100.0%; Pred. No. 4.3e-147;

PA 4.3e-147;

PA (GETH) PA (GETH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 74
ID ADA95960 standard; protein; 344 AA.
DE Human PRO polypeptide #188.
PD 01-MAY-2007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PD 24-APR-2003.
PA (GETH) GENENTECH INC.
Query Match 100.0%; Score 1806; DB 6; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 1806; DB 6; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB21754 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082765-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO34313 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PRO 337,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADB24183 standard; protein; 344 AA.
Human PRO polypeptide SEQ ID NO 376.
US2003077714-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB26269 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082760-A1.
Human PRO polypeptide #188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity RESULT 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity RESULT 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
```

```
Best Local Similarity
                                                                                                                                                                                                                                  Query Match
Best Local Similarity
RESULT 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2003
                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 56
                                                                                                                       Length 344;
                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1806; DB 6; Length 344; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                 Length 344;
                                                                                                                                                                                                                                                                                             AE043336 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PR0337.
US200344945-A1.
06-MAR-2003.
(GETH ) GENENTECH INC.

ETY Match

LOOCAL LOCAL SIMILARITY 100.0%; Pred. No. 4.3e-147;
                                    ADB19936 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082691-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                            ABO19730 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003050240-A1.
Best Local Similarity 100.0%; Score 1806; DB 6; Let RESULF 5.

The Mare 100.0%; Score 1806; DB 6; Let Best Local Similarity 100.0%; Pred. No. 4.3e-147; DE Human PRO polypeptide #188.

PN US2003082710-A1.

PN US2003082710-A1.
                                                                                                                                                             04-70-2003.
(GETH ) GENENTECH INC.
(ery Match 100.0%; Score 1806; DB 6;
ery Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 1806; DB 6; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADA12723 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PR0337.
US2003055216-A1.
20-MAR-2003.
(GFTH) GENENTECH INC.
100.0%; Score 1806; DB 6;
st Local Similarity 100.0%; Pred. No. 4.3e-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB24735 standard; protein; 344 AA. Human PRO polypeptide SEQ ID NO 376. US2003077713-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #188.
US2003082701-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADA75222 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003073216-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA74502 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003068798-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ... ard; protein;
... polypeptide #188.
... 03082701-A1.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pre
RESULT 58
ID ADA75222 standard; protein by Human PRO polypert.
PN Human PRO polypert.
PN 17-APP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PD 17-APR-2003.
PA (GETH ) GENENTECH INC.
QUERY MATCh 100.0%;
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lichal.

-2003.

-2003.

-rH ) GENENTECH I.

Lary Match

Best Local Similarity 1

RESULT 55

ID ADA74502 stand-
DE Human PRO r

PN US2030.
PD 10-
PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
RESULT 57
ID ADA2259 standard; pr
DE Human PRO polypeptide
PN US2003082701-A1.
PD 01-MAY-2003.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                           Best Local Similarity RESULT 52
                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 53
                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                PERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A D D D D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BERE
```

```
PD 17-APR-2003.

PA (GETH ) GENENTECH INC.

Query Match 100.0%; Score 1806; DB 6; Length 344;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 68
                                                                                                    Score 1806; DB 6; Length 344;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ul-rwil-2005.
(GETH ) GENENTECH INC.
iry Match 100.0%; Score 1806; DB 6; Length 344;
ir foral Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
ADA85300 standard, protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
01.003080269.5A1.
01.MAY.2003.
(GETH.) GENENTECH INC.
                                                                                                                                                                ADAB4748 standard, protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
US2003082708-A1.
                                                                                                                                                                                                                                                                         Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.

100.0%; Score 1806; DB 6;

It Local Similarity 100.0%; Pred, No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 100.0%; Score 1806; DB 6; Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB25295 standard, protein, 344 AA. Human PRO polypeptide SEQ ID NO 376. US2003077715-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide #188.
US2003082761-A1.
                                                                                                                                                                                                                                                                                                                               ADB30004 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003073214-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #188.
US2003092147-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA75774 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082703-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA46999 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003073210-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADA93471 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003077721-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB31108 standard; protein; 344 AA
                                                                                                                                                                                                           US200JUL
01-MAY-2003.
(GETH ) GENENTECH INC.
Match 100.0%;
                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-MAY-2003.
(GETH ) GENENTECH INC.
```

```
100.0%; Score 1806; DB 6; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1806; DB 6; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2003.
(GETH ) GENENTECH INC.
(GETH --- GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 40
                                                                                                                                                                                  Length 344;
                                                                                                                                                                                                                                                                                                                DB 6; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 1806; DB 6; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                   ADB19384 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337
                                                                                                                                                                                                                                                                                                                                                             ADA86404 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082711-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADABSBS2 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003082693-A1.
                                                                                                                                                                                                                                                                                                             100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                  100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                               ADB27925 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082704-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADBI5968 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003087350-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA47754 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003073215-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA67549 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003068795-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB30556 standard; protein; 344 AA. Human PRO polypeptide #188. US2003068794-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADA97064 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003082705-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-APR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAY-2003.
(GETH ) GENENTECH INC.
Ery Match
Beet Local Similarity
RESULT 32
ID ADB19384 stand*
DE Novel hums*
PN US20030*
PD 10**
                                                                                                                            J6-A1.

2003.

LM J6ENENTECH 1

LTY MATCh

Best Local Similarity ABST925 stand*

ID ABBZ7925 stand*

DE Human PRO T

PN US2003^*

PA
                                                                                                                                                                                                                                                                             01-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                  (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity RESULT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Loc
RESULT 35
                                                                                                                                                                                                                                                                                                                                           RESULT 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 36
                                                                                                                                                                                                                                                                                                                                                                A D D E D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   POSE
```

```
Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-APR-2003.
4 (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                   Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADA91801 standard; protein; 344 AA.

Novel human secreted and transmembrane protein PRO337.
US200308264-A1.
01-MAY-2003.
(GETH) GENENTECH INC.
100.0$; Score 1806; DB 6; Lenget Local Similarity 100.0$; Pred. No. 4.3e-147;
                                                                                                                                                                                       ADA87507 standard, protein; 344 AA. Novel human secreted and transmembrane protein PRO337. US2003087345-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA25062 standard; protein; 344 AA.
Novel human secreted and transmembrane protein FRO337.
US2003050241-A1.
13-MARR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB18825 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003073211-A1.
                                                                                                                                                                                                                                                                                                                                                                                          PA (GETH ) GENENTECH INC.

Query Match

100.0%; Score 1806; DB 6;

Best Local Similarity 100.0%; Pred. No. 4.3e-147;

RESULT 44
Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 41
                                                                                                                                                                                                                                                                                   Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                   Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADA47276 standard; protein; 344 AA.
Human secreted/transmembrane polypeptide PRO337
US2003044844-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO polypeptide #188.
US2003077722-A1.
                                           ADA79368 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003082763-A1.
                                                                                                                                                                                                                                                                                                                                    ADB16709 standard; protein; 344 AA. Human PRO polypeptide #188.
US2003087349-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADB14864 standard; protein; 344 AA
Human PRO polypeptide #188.
US2003087351-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200.v...
17-APR-2003.
(GETH ) GENENTECH INC.
Match ... arity 100.0%;
                                                                                                                                                                                                                                 USZUCCC.
08-MAY-2003.
(GETH ) GENENTECH INC.
100.04;
                                                                                  PD 01-MAY-2003.
PA (GETH) GENENTECH INC.
Query Match
Best Local Similarity 100.0%;
RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.0%;
RESULT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.0%;
RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-MAR-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                   J.45-A1.

J.45-A1.

J.67H ) GENENTECH .

J.0ery Match
Best Local Similarity
RESULT 43
ID ADB16709 stand*
DE Human PRO .
PN US2003^*
PD 08-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity RESULT 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity RESULT 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
```

Length 344;

Length 344;

Length 344;

```
AU-PART = CUC.
(GETH ) GENENTECH INC.
ry Match
- Tonal Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           J3-MAR-2003.
(GETH ) GENENTECH INC.
ery Match 100.0%; Score 1806; DB 6; Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-APR-2003.
(GETH) GENENTECH INC.
100.0%; Score 1806; DB 6; Length 344;
st Local Similarity 100.0%; Pred. No. 4.3e-147;
                                   Score 1806; DB 6; Length 344;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO337.
US2003022328-Al.
                                                                                                                                                                                                                       ABU82110 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003088063-A1.
                                                                                                                                                                                                                                                                                                                                                            ABU67033 standard; protein; 344 AA.
Human secreted/transmembrane, PRO, protein SEQ ID 376
US2003032155-A1.
                                                                                                                                          02-JAN-zous.
(GETH ) GENENTECH INC.
pry Match 100.0%; Score 1806; DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC.
ry Match 100.0%; Score 1806; DB 6;
r Local Similarity 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                          Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                 ABU80428 standard; protein; 344 AA.
Human secreted/transmembrane protein PRO337.
US2003004102-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABU79804 standard; protein; 344 AA.
Human secreted/transmembrane protein PRO337.
US2003032057-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABJ72290 standard; protein; 344 AA.
Human PRO337 protein.
US2003050448-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA76326 standard, protein, 344 AA.
Human PRO polypeptide #188.
US2003073212-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADA61599 standard; protein; 344 AA
                                                                                                                                                                                                                                                         US2003.08-MAY-2003.
(GETH) GENENTECH INC.
100.0$;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US200-2-2
30-JAN-2003.
(GETH ) GENENTECH INC.
March 'levity 100.0%;
                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 100.0%; Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PRO polypeptide #188
US2003054517-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003.
(GETH ) GENENTECH INC.
                     (GETH ) GENENTECH INC.
                                   Query Match
Best Local Similarity
RESULT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADA18976 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
US2003049816-A1.
                                                                                                                                         02-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                  13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 28
                                                     Length 344;
                                                                                                                                                                                         Length 344;
                                                                                                                                                                                                                                                                                                                              Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 344;
                                                                                       мво/12281 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2002192706-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nco/zubi standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2002177165-A1.
                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane protein PRO337 US2003032063-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABUG7162 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
13-FBB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABU84961 standard; protein; 344 AA.
Human secreted and transmembrane PRO polypeptide #37
US2002177553-A1.
                                                     Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                            Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                         Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 1806; DB 6; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1806; DB 6;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU59838 standard; protein; 344 AA.
Novel secreted and transmembrane protein PRO337.
US2003017563-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABO25028 standard; protein; 344 AA.
Human secreted/transmembrane protein (PRO) #188.
US2003036179-A1.
                                                                                                                                                                                                                                       ABU66757 standard; protein; 344 AA. Human PRO polypeptide #188. US2003036180-A1.
                                                                                                                                                                                                                                                                                                                                                                              protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein; 344 AA
02-JAN-2003.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US20021...
28-NOV-2002.
(GETH ) GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%;
                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU61159 standard, protei
Human PRO337 polypeptide.
US2002169284-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                            13-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                       20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-NOV-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                       19-DEC-2002.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
RESULT 17
ID ABU84961 standard; px
DE Human secreted and tx
PN US2002177553-A1.
PD 28-NOV-2002.
PA (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
RESULT 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 19
                                                   Query Match
Best Local Similarity
                                                                                                                                                                                       Query Match
Best Local Similarity
RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
RESULT 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
RESULT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
RESULT 21
                                                                                                                                                                                                                                                                                                                                                                              ABU67293 standard;
                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                 RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 2 2 2 2 A
```

```
PA (GETH) GENENTECH INC.
Query Match
100.0%; Score 1806; DB 6; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.3e-147;
RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 1806; DB 6; Length 344; Best Local Similarity 100.0%; Pred. No. 4.3e-147; RESULT 11
                                                                                                                 ABB95450 standard; protein; 344 AA.
Human angiogenesis related protein PRO337 SEQ ID NO: 56.
WO200208284-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO25175 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003040014-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABUAS275 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
USZ003050239-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO17803 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
US2003032156-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABO33767 standard; protein; 344 AA.
Novel human secreted and transmembrane protein PRO337.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1806; DB 5;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OD-CES-2003.

(GETH ) GENENTECH INC.

ery Match 100.0%; Score 1806; DB 6;

ery Match 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            J3-MAR-2003.
(GETH ) GENENTECH INC.
(GETH ) GENENTECH INC.
(Ery Match 100.0%; Score 1806; DB 6;
                                                                        Score 1806; DB 5;
Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1806; DB 6;
Pred. No. 4.3e-147;
Human PRO337 protein sequence SEQ ID NO:56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #63.
US2003036635-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU81057 standard; protein; 344 AA.
Human PRO polypeptide #188.
US2003004311-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PD 13-FEB-7003.
PA (GETH ) GENENTECH INC.
Query Match
Best Local Similarity 100.0%; Pr.
RESULT 9
ID ABU80801 standaria
                                            GENENTECH INC.
GENENTECH INC.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-FEB-2003.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                      GODOWSKI P J.
GURNEY A L.
HILLAN K J.
MARSTERS S A.
                                                                                                                                                                                                                                                                  GERBER H.
GERRITSEN M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                    STEPHAN J F.
WATANABE C K.
WILLIAMS P M.
WOOD W I.
                                                                                                                                                                                                             GENENTECH INC
                                                                                                                                                                                                                            BAKER K P.
FERRARA N.
                                                                        Query Match
Best Local Similarity
RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best_Local Similarity
RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                         GODDARD A.
                                                                                                                                                                                                                                                                                                                                                                                                                      PAONI N F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003045687-A1
                                       03-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (WILL/) V
(WOOD/) V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                      (STEP/)
                                                                                                                                                                                                                         (BAKE/)
                                                                                                                                                                                                                                                                                                                                                                                                 (PANJ/)
(PAON/)
                                                                                                                                                                                                                                                  FERR/)
                                                                                                                                                                                                                                                                  (GERB/)
                                                                                                                                                                                                                                                                                                                                            GURN/
                                                                                                                                                                                                                                                                                                                                                                (HILL/
                                                                                                                                                                                                                                                                                       (GERR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
                                                      (without alignments)
1822.542 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                        6: genecotypeograps:*
7: genecotypeograps:*
8: genecotypeograps:*
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
SUMMARIES
Description
                                                                                                               1806
1 MKTIQPKMHNSISWALFTGL.....RRAGCVWLLPLLVLHLLLKF 344
BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 1806; DB 5; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 1806; DB 4; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 1806; DB 3; Length 344; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 344;
                 OM protein - protein search, using sw model
Run on: June 3, 2005, 14:09:27 ; Search time 73 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1806; DB 3; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 1806; DB 4; 100.0%; Pred. No. 4.3e-147;
                                                                                                                                                                  Searched:
2105692 segs, 386760381 residues
Total number of hits satisfying chosen parameters:
Minimum DB seq length: 200000000
Maximum DB seq length: 200000000
Post-processing: Minimum Match 04
Maximum Macch 1004
Listing first 1500 summaries
Database:
A_Geneseq_16Dec04:*
1: geneseqp1980s:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB31204 standard; protein; 344 AA.
Amino acid sequence of human polypeptide PRO337.
21-DEC-2000.
 GenCore version 5.1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB44329 standard; protein; 344 AA.
Human PRO337 protein sequence SEQ ID NO:523.
WO200053756-A2.
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAYS7601 standard; protein; 344 AA.
Human protein SEQ ID NO:1.
WO9958668-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU12359 standard; protein; 344 AA.
Human PRO337 polypeptide seguence.
WO200140466-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAU83654 standard; protein; 344 AA.
Human PRO protein, Seq ID No 126.
WO200208288-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABB84844 standard; protein; 344 AA
                                                                                                                                                                                                                                                                                                                                                                                                                    geneseqp2002s:*
geneseqp2003as:*
                                                                                                                                                                                                                                                                                                                                                                                   geneseqp2000s:*
                                                                                                                                                                                                                                                                                                                                                                                                   geneseqp2001s:*
                                                                                                                                                                                                                                                                                                                                                              geneseqp1990s:*
                                                                                             US-09-978-544A-523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-NOV-1999.
(ONOY ) ONO PHARM CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-JAN-2002
(GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-JUN-2007
                                                                                                                                                    Scoring table:
                                                                                                                 Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NO. RESULT 1
ID AAYE
DE HUT
PN WT
PD PA
                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query
```

Length 344;

Length 344;

Length 344;